D-303

SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model

Discman

Model Name Using Similar Mechanism	D-35/350
CD Mechanism Name	CDM-350

SPECIFICATIONS

CD section

System	Compact disc digital audio system
Laser diode properties	Material: GaAlAs Wavelength: 780 nm Emission duration: Continuous Laser output: less than 44.6 μW This output is the value measured at a distance of about 200 mm from the objective lens surface on the Optical Pick-up Block.
Error correction	Sony Super Strategy Cross Interleave Reed Solomon Code
D-A conversion	1 bit quarz time-axis control
Frequency response	20 – 20,000 Hz $^{+0.5}_{-1}$ dB*
Dynamic range	More than 96 dB*
Signal-to-noise ratio	More than 100 dB*
Distortion ratio	Less than 0.006 % (1 kHz)*
Low and flutter	Below measurable limit*
Outputs (at 9 V input level)	Line output (stereo minijack) Output level 1.5 V rms at 50 kilohms Load impedance over 10 kilohms Optical digital output (optical output connector) Output level: −21 — −15 dBm Wavelength: 630 — 690 nm at peak level Headphones (stereo minijack) 5 mW + 5mW at 16 ohms

*Measured by EIAJ CP-307 at 9 V DC

General

Power requirements	Rechargeable battery pack BP-2EX (supplied) LR6 (size AA) alkaline battery (2, not supplied) DC IN 9 V jack accepts: Sony AC power adaptor (supplied) 100 – 240 V AC, 50/60 Hz Sony CPM-203 (available only in Japan), CPM-203P (available in other countries) car mount plate, or Sony DCC-E190M battery cord for use on 12 V car battery (not supplied)
Power consumption	3 W DC
Dimensions	Approx. 126.0 × 23.5 × 135.5 mm (w/h/d) not incl. inclined part (depth), projecting parts and controls Approx. 126.0 × 27.4 × 135.5 mm (w/h/d) incl. projecting parts and controls
Weight	Approx. 450 g incl. rechargeable battery
Supplied accesories	Headphones with remote commander (1) AC power adaptor (1) Rechargeable battery pack (1) AC plug adaptor (1) Carrying case (1) Connecting cord (1) (stereo miniplug ↔ two phono plugs) Operating instructions (1)

Design and specifications subject to change without notice.

Do not connect either wire to the earth terminal in the plug which is marked by the letter E or by the safety earth symbol ⏚ or coloured green or green-and-yellow.

CAUTION

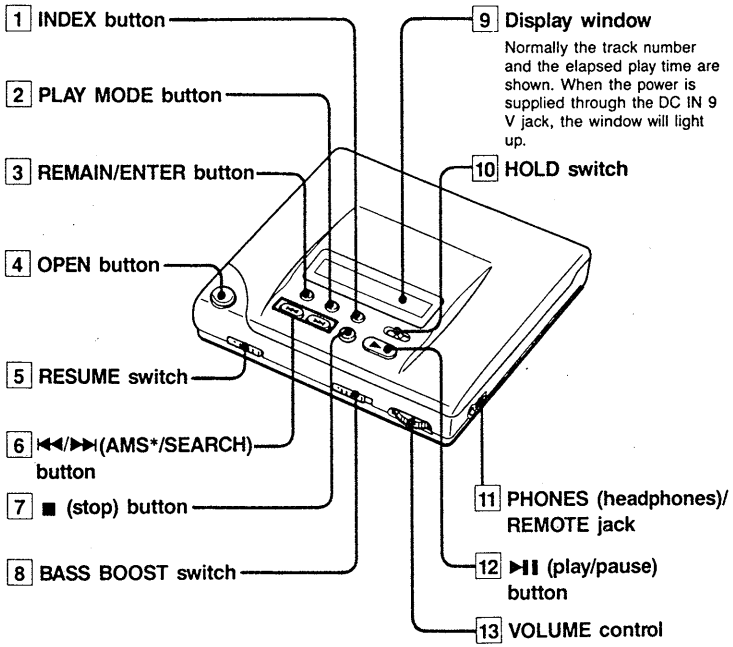
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

使用時は添付資料も参照のこと
Refer to the additional documents

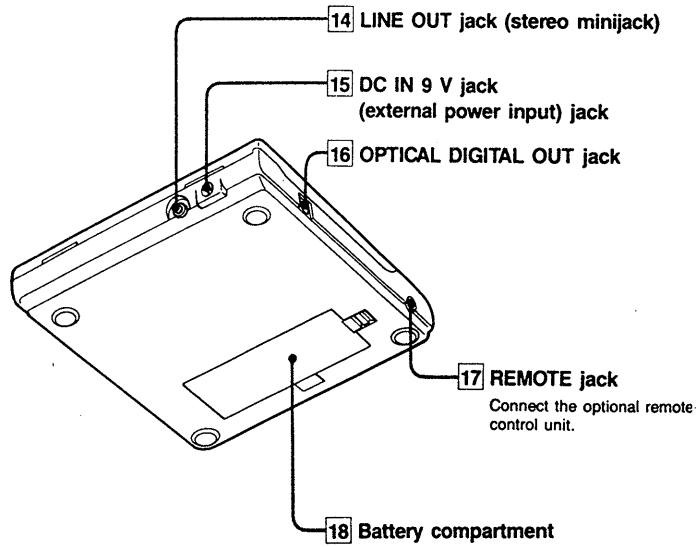
COMPACT DISC COMPACT PLAYER

SONY®

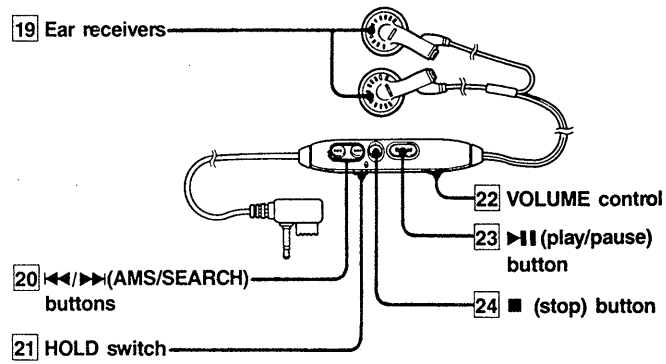
Location and Function of Controls


1 INDEX button
2 PLAY MODE button
3 REMAIN/ENTER button
4 OPEN button
5 RESUME switch
6 ⏮/⏭(AMS*/SEARCH) button
7 ■ (stop) button
8 BASS BOOST switch
9 Display window
Normally the track number and the elapsed play time are shown. When the power is supplied through the DC IN 9 V jack, the window will light up.
10 HOLD switch
11 PHONES (headphones)/ REMOTE jack
12 ▶II (play/pause) button
13 VOLUME control

* AMS is the abbreviation of Automatic Music Sensor.


14 LINE OUT jack (stereo minijack)
15 DC IN 9 V jack (external power input) jack
16 OPTICAL DIGITAL OUT jack
17 REMOTE jack
Connect the optional remote control unit.
18 Battery compartment

Headphones with remote commander


19 Ear receivers
22 VOLUME control
23 ▶II (play/pause) button
20 ⏮/⏭(AMS/SEARCH) buttons
24 ■ (stop) button
21 HOLD switch
When you are not using the remote commander, set to HOLD to prevent accidental pressing of the buttons.

You can operate the CD player with the remote commander attached to the supplied headphones.

The buttons and controls on the remote commander has the same function as those with same marks on the unit. Even if the HOLD switch on the unit is set to the right position (HOLD), you can operate the unit with the remote commander.

Is it possible to operate other compact disc compact player with the supplied remote commander?

Basically yes. However, some model is not operative.

This section is extracted from instruction manual.

SECTION 2
SERVICING NOTES

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

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Before Replacing the Optical Block

Please be sure to check thoroughly the parameters as par the "Optical Block Checking Procedures" (Part No. : 9-960-027-11) issued separately before replacing the optical block. Note and specifications required to check are given below.

- FOK output : IC501 ⑨ pin
- S carve P-to-P value : 2.5Vp-p
  When checking FOK and S carve P-to-P value, remove the lead wire to disc motor and unsolder and open IC801 ㊿ pin.
- Adjusted part for focus gain adjustment : RV505
- RF signal P-to-P value : 0.8 – 1.35Vp-p
- Traverse signal P-to-P value : 2Vp-p
- The grating holder can not repair.
- Adjusted part for tracking gain adjustment : RV501

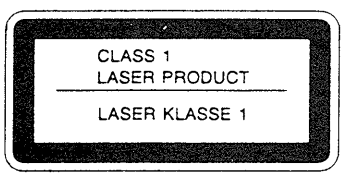
Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270℃ during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

For the Customers in the United Kingdom and European Countries



This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the bottom exterior.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe more than 30cm away from the objective lens.

Laser Diode Check Procedure

The laser diode on this set will not emit unless the top panel is closed and S901 (push SW type) is turned on. The laser diode will always emit even if focus search is not performed in service mode.

The laser diode if checked using the current value which flows to the laser diode inside the optical pick-up.

Procedure 1 (service mode or normal operation)

Check the laser diode emission with the eye.

1. Open top panel.
2. S901 on as Fig. 1.
   (In service mode, this operation is not necessary.)
3. Observe the objective lens and confirm that the laser diode goes on about 2.5 seconds due to focus search. If it does not, APC circuit or the optical pick-up is defective.

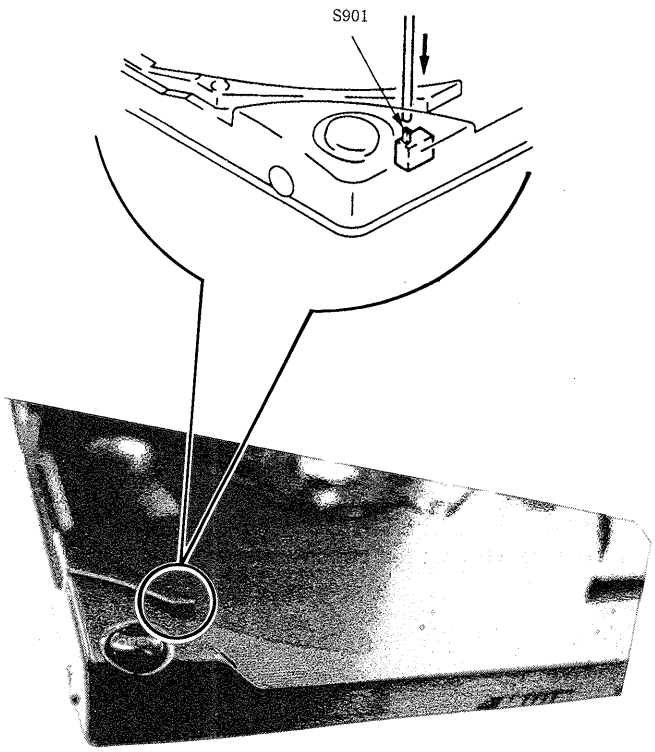
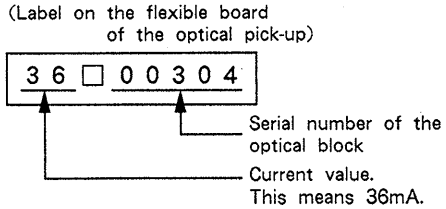


Fig.1 Turning S901 Connection

Procedure 2 (service mode or normal operation)

Check by the current with flows in the laser diode.

1. Close the top panel.
2. Remove the main board and read the current value on the label affixed to the optical pick-up.


(Label on the flexible board
of the optical pick-up)
3 6 □ 0 0 3 0 4
Serial number of the optical block
Current value.
This means 36mA.

The current value varies with the set.

3. Connect a VOM as shown in Fig.2.(both side of R510 : 10 Ω)
4. Press the ▶II key.
5. Calculate the current by the VOM reading.
   VOM reading (V) ÷10=current (A)
   ex. VOM reading=0.37V
   0.37÷10=0.037 (A) =37 (mA)
6. Confirm that the ammeter reading is within the range given below.
   value on label$^{+5}_{-11}$ mA (25℃)
   variation relative to temperature : 0.4mA/℃
   (Current increases when temperature rises and decreases when it drops.)
   If the value is more than the range given, diode has deteriorated. If it is less, APC circuit or the optical pick-up is defective.

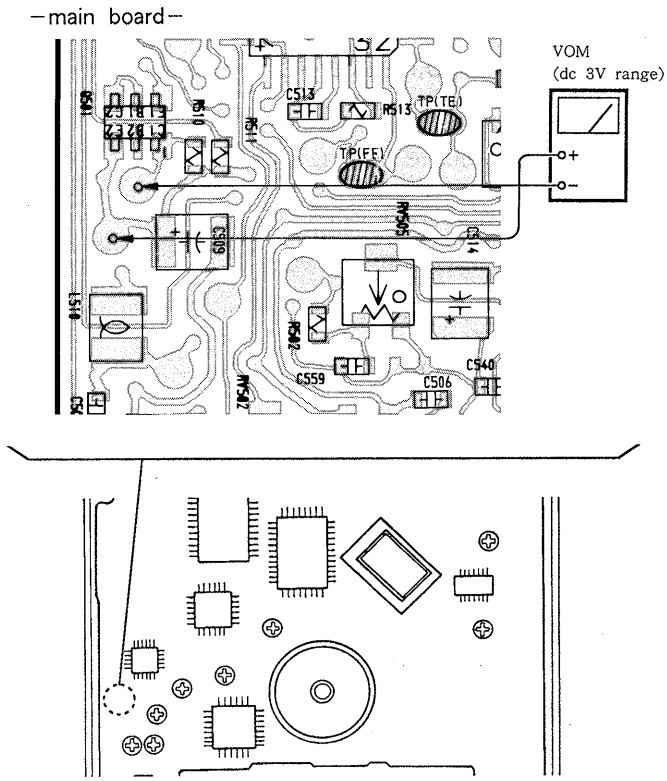
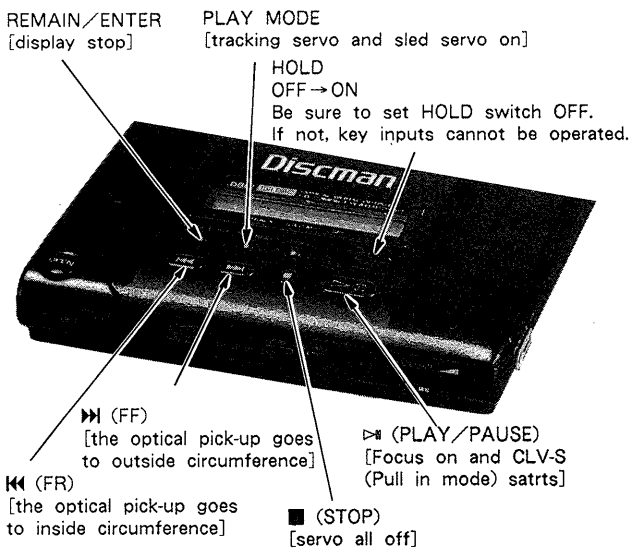


Fig.2 VOM Connection

SERVICE MODE (service program)

This set has built-in service program in the microcomputer as usual sets.

The operation method of service program is explained below.



[ ] : Main operation in service mode
for details, refer to step 2.

Fig.3 Key Positions

• Step 1 (Service Mode setting method)

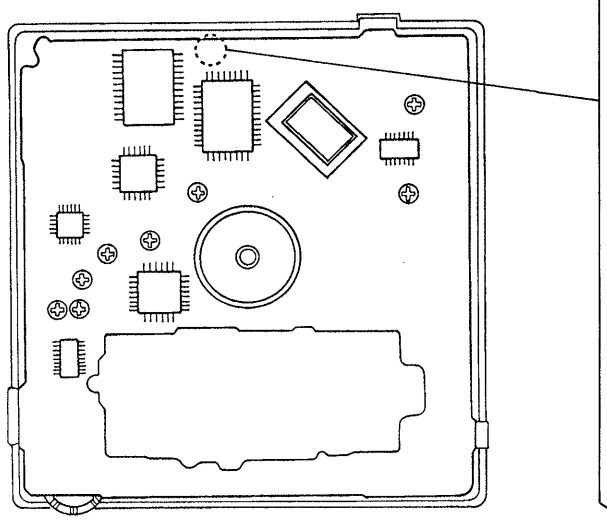
1. Turn the HOLD switch to OFF with the external power supply not plugged in (no power applied to set) and press the ⏯ key.
2. Solder jumper TEST point.
   (IC801 pin㊶ (TEST) pin is grounded.)
3. Plug in external power supply.
   This puts the set into service mode.

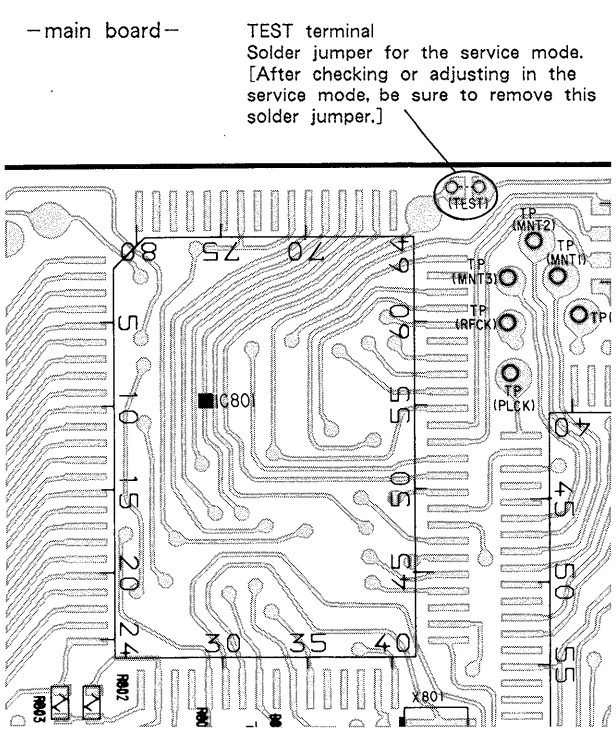
• Step 2 (Service Mode operation)

1. When service mode is set, the display will change 6 times, and those 6 changes will be repeated over and over.
   With this the LCD display should be present in service mode. Even if LCD dose not display, other operations will be perfoemed.
2. When ⏭ or ⏮ key is pressed, the optical pick-up moves to the inside or outside circumference. Tracking servo and sled servo go off when this is done, so press ⏯ key to turn on the tracking servo if necessary.
3. When REMAIN/ENTER key is pressed, the display stops. When REMAIN/ENTER key is released, the display continues to change.
   This allows check of each segment.
4. When ⏯ key is pressed, CLV-S (pull-in mode) starts while performing focus search. When there is no disc installed, focus search is repeated several times while disc motor is rotating.
5. When ⏯ key is pressed, tracking servo, sled servo and CLV-A (servo during PLAY) go ON.
6. When 4 and 5 are performed, the disc begins to play. At this time, the top panel should be closed and S901 are to be ON. When S901 is OFF, muting is ON. So there is no sound.
7. All servo (focus, tracking, sled and spindle) go off when ■ key is pressed. But disc motor continues rotating for a while by inartia.

• Step 3 (Service Mode release)

1. First be sure to unplug the external power supply, then remove the TEST point solder jumper.
2. The set will now operated normally.





SECTION 3
ELECTRICAL ADJUSTMENTS

Notes on Adjustment

1. Perform adjustments except for RECHARGEABLE VOLTAGE ADJUSTMENT in service mode.
   Be sure to release service mode after completing adjustment.
   (Refer to "Service Mode (service program)" on page 4.)
2. Perform adjustments in the order given.
3. Use YEDS-18 disc (part No. : 3-702-101-01) unless otherwise indicated.
4. Power supply voltage : DC 9V
   HOLD switch : OFF
   VOLUME knob : Minimum
   BASS BOOST switch : NORM

PREPARATION

Put the set into service mode (See page 4.) and perform the following checks. Repair if there are any abnormalities.

• Sled Motor Check

1. Press the OPEN button and open the top panel.
2. Press the ⏭, ⏮ keys and make sure that the optical pick-up moves smoothly, without catching, from the inmost → outmost → inmost circumference.
   ⏭ : The optical pick-up moves outward
   ⏮ : The optical pick-up moves inward

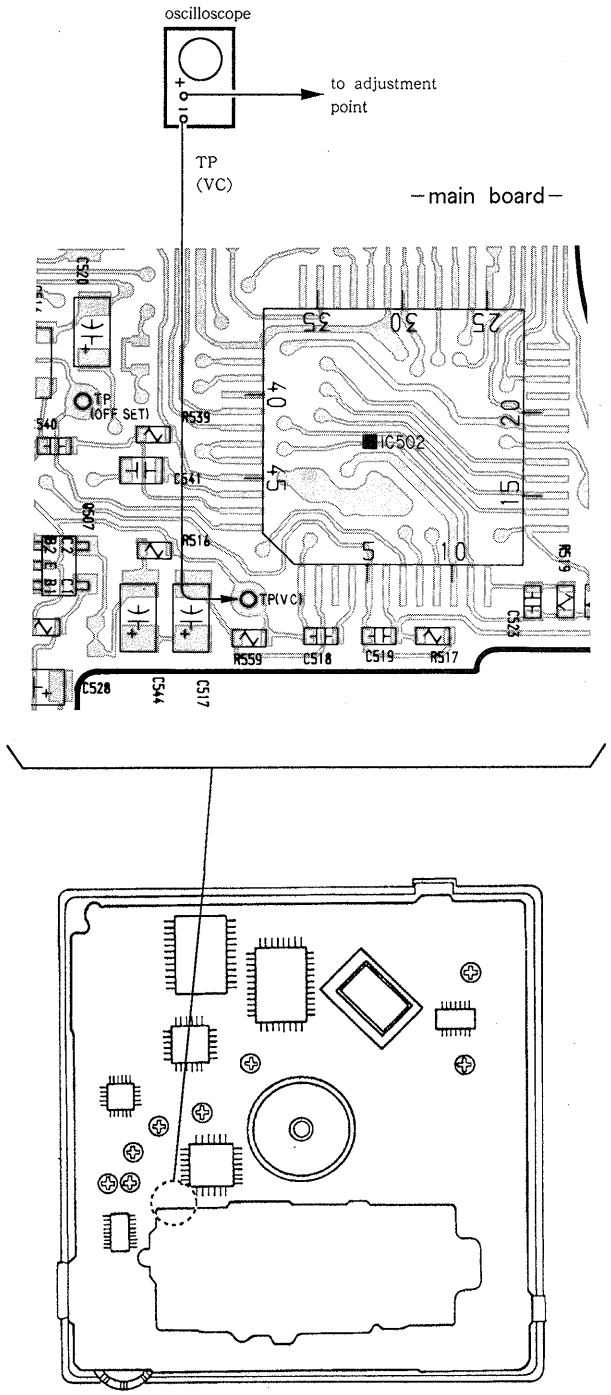
• Focus Search Check

1. Press the OPEN button and open the top panel.
2. Press the ⏯ key. (Focus search is performed continuously.)
3. Observe the optical pick-up objective lens and check that it moves smoothly up and down with no catching or noises.
4. Press the ■ key.
   Check that focus search operation stops. If it does not, stop press the ■ key again longer than before.

VC (1/2Vcc) Connecting Point

FOCUS BIAS ADJUSTMENT
TRACKING BALANCE ADJUSTMENT

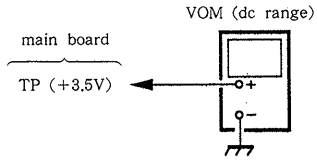
When the adjustments above are performed, connect the ⊖ side of oscilloscope to the point below.



+3.5V Adjustment

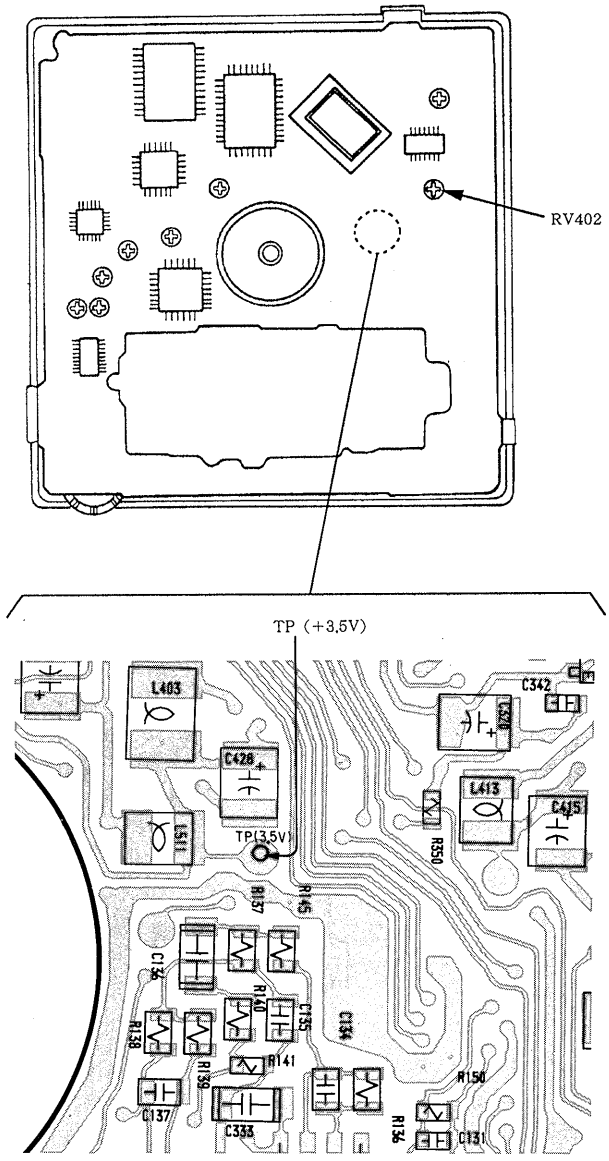
*Perform +3.5V adjustment with an AA size battery.

Adjustment Procedure :



1. Connect the VOM to main board TP (+3.5V)
2. Adjust RV402 for 3.5V±0.05V reading on the VOM.

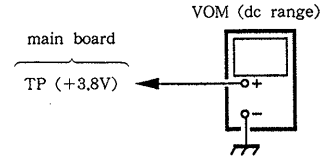
Adjustment Location : main board



+3.8V Adjustment

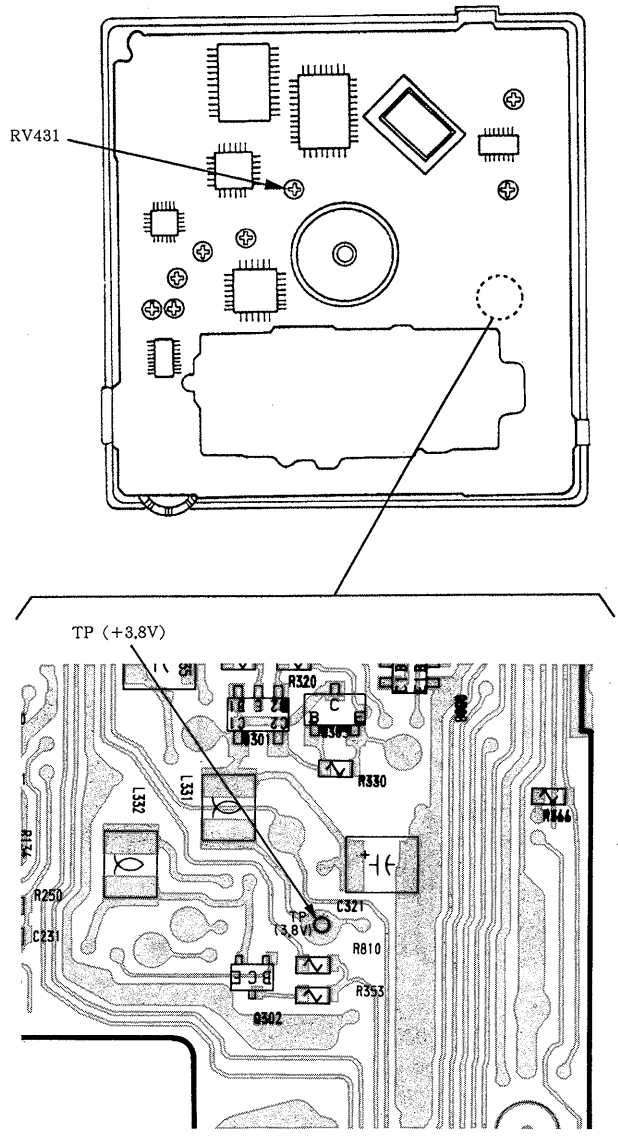
*Perform +3.8V adjustment with an AA size battery.

Adjustment Procedure :



1. Connect the VOM to main board TP (+3.8V)
2. Adjust RV431 for 3.8V±0.05V reading on the VOM.

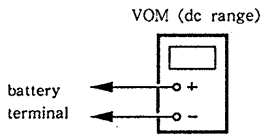
Adjustment Location : main board



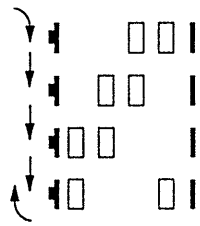
REVISED

Charge Voltage Adjustment

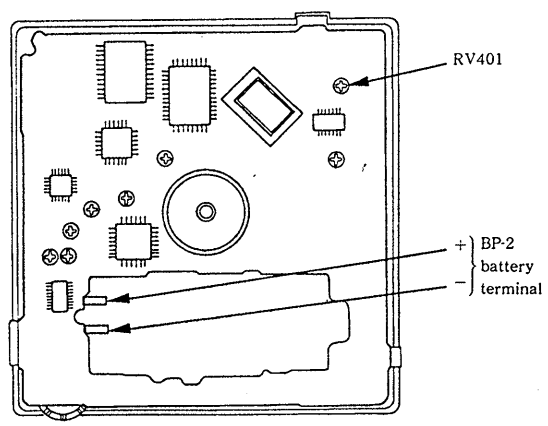
Adjusutment Procedure :



1. Connect a dummy resistor of 240 Ω to the BP terminal.
2. Apply 12V DC to the DC IN JACK.
3. Adjust RV401 so that the voltage between both BP terminals become 4.85±0.05V.
4. Change the dummy resistor to one that 7 Ω, and confirm that the current witch flows to the dummy resistor is within 600±100mA.
5. In step 4 above, the indications of the LCD will change as shown below.
6. Confirm that the voltage between both BP terminals is less than 5V without connecting a dummy resistor.

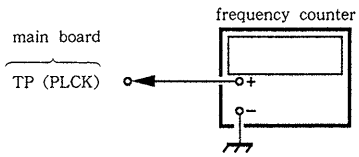


Adjustment Location : main board



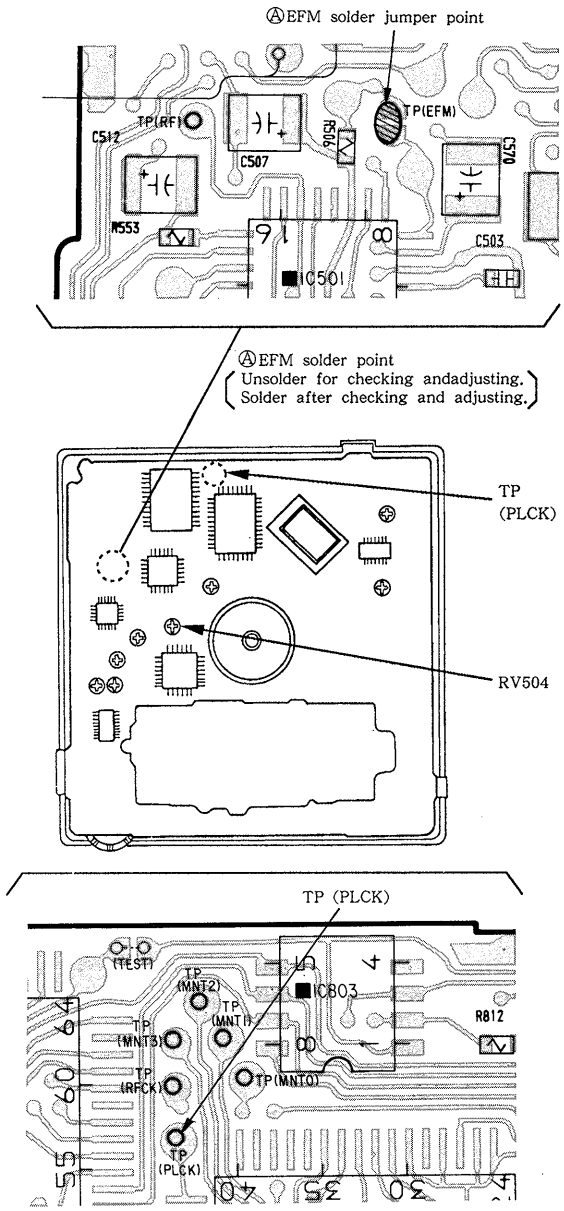
PLL Free Run Frequency Check and Adjustment

Check/Adjustment Procedure :



1. Disconnect the jumper point Ⓐ (EFM) in the diagram below.
2. Connect a frequency counter to main board test point TP (PLCK).
3. Put the set into service mode stop state (see page 4)
4. Check that the frequency counter reading is 4.3218± 0.01MHz.
   If not, adjust RV504 so that it is 4.3218±0.01MHz.
5. After adjustment, release service mode (see page 4)
6. Short the jumper point disconnected in step 1.

Check/Adjustment Location : main board

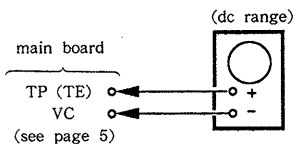


Tracking Balance Adjustment

Conditions :

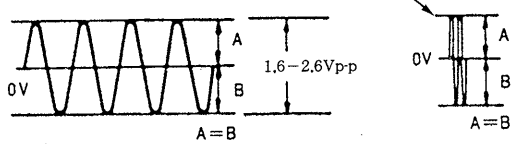
The set should be placed either horizontally.

Adjustment Procedure :



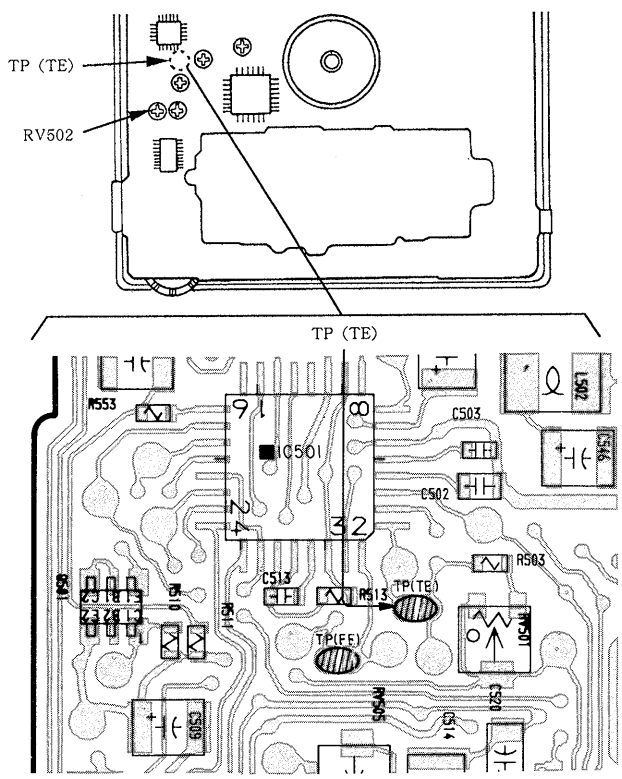
1. Connect the oscilloscope to main board TP (TE).
2. Put the set into service mode stop state (See page 4.)
3. Press the ⏭ and ⏮ keys to move the optical pick-up to the center.
4. Insert the disc (YEDS-18) and close the top panel.
5. Press the ⏯ key.
   (It will go from focus search to focus on, and CLV pull-in mode state. Tracking and sled are OFF.)
6. Adjust RV502 so that the oscilloscope wavaform is symmetrical on the top and bottom in relation to 0V.

Note : Take sweep time as long as possible to obtain best wave-form.



7. Press the ■ key to stop spindle motor from rotaing.
8. After adjustment, release service mode (see page 4).

Adjustment Location : main board

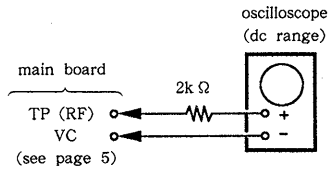


Focus Bias Adjustment

Conditions :

The set should be placed either horizontally.

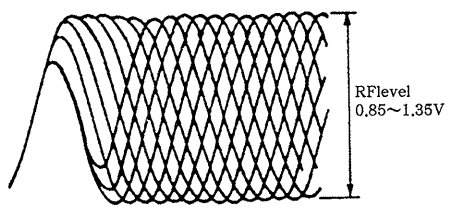
Adjustment Procedure :



1. Put the set into STOP state in service mode (See page 4).
2. Connect the oscilloscope to main board test point TP (RF).
3. Press the ⏭ and ⏮ key to move the optical pick-up to the center.(Move the optical pick-up to the music area on the disc to enable easy visibility of the eye pattern).
4. Insert the disc (YEDS-18) and close the top panel.
5. Press the ⏯ key.
   (It will go from focus search to focus on, and CLV pull-in mode state. Tracking and sled are OFF.)
6. Press the ⏯ key .(Tracking and sled go ON.)
7. Adjust RV503 so that the oscilloscope waveform eye pattern is good. A good eye pattern means that the diamond shape (◇) in the center of the waveform can be clearly distinguished.

• RF Signal Reference Waveform (eye pattern)

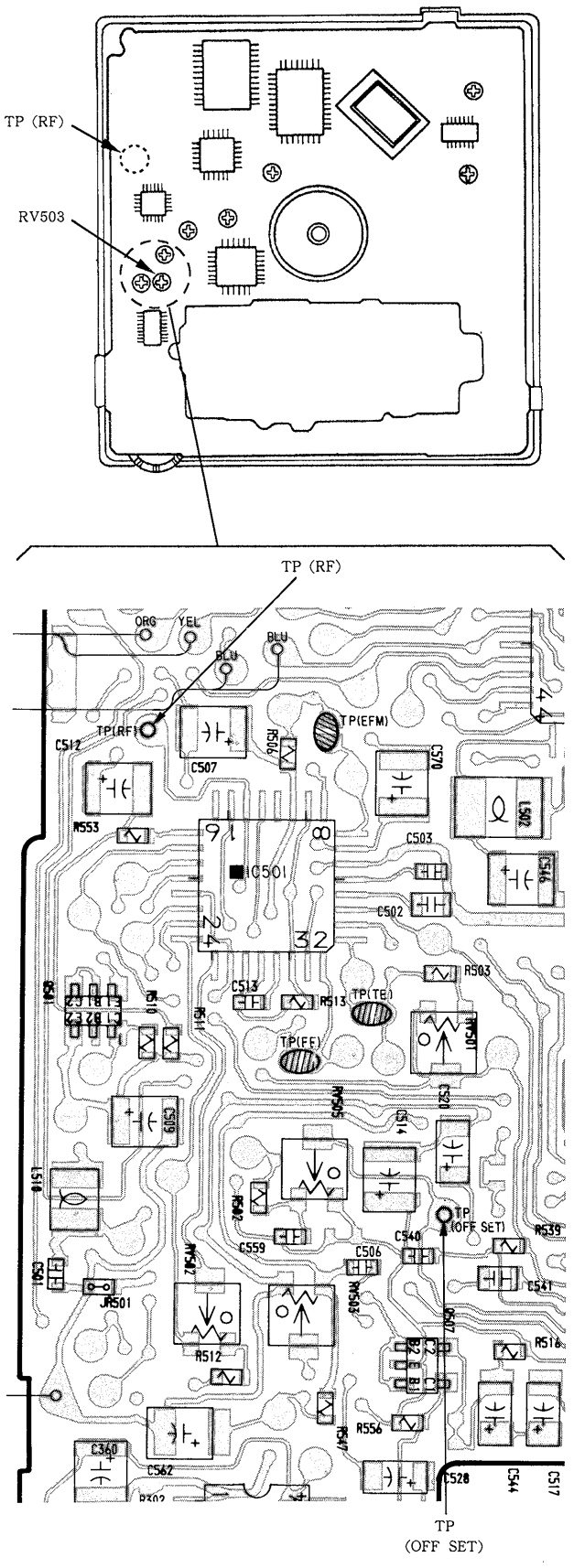
VOLT/DIV : 200mV
TIME/DIV : 500nS



When observing the eye pattern, set the oscilloscope for AC range and raise vertical sensitivity.

8. Measure the voltage of pin㊽TP (OFF SET) of IC502. Readjust RV503 according to the voltage range.
   +20mV ~ +50mV : → +50mV
   +20mV ~ −20mV : → −20mV
9. Press the ■ key to stop spindle from rotating.
10. After adjustment, release service mode (see psge 4).

Adjustment Procedure : main board



Reference

Focus／Tracking Gain Adjustment

A frequency responce analyzer or CD jig is necessary in order to perform this adjustment exactly.

However, this gain has a margin, so even if it is slightly off, there is no problem. Therefore, do not perfrom this adjustment.

Focus／tracking gain determines the pick-up followup (vertical and horizontal) relative to mechanical noise and mechanical shock when the 2-axis device operate. However, as these reciprocate, the adjustment is at the point where both are satisfied.

- When gain is high, the noise when the 2-axis device operates increases.
- When gain is low, it is more susceptible to mechanical shock and skipping occurs more easily.

This adjustment is to be performed when replacing the following parts :

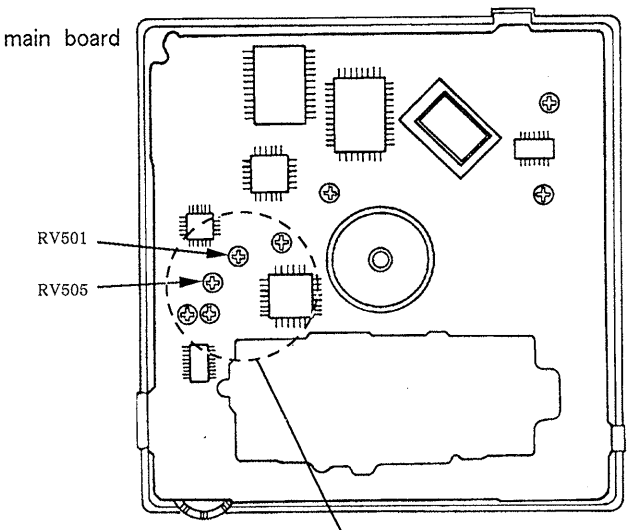
- optical pick-up block
- RV501 (tracking gain volume)
- RV505 (focus gain volume)

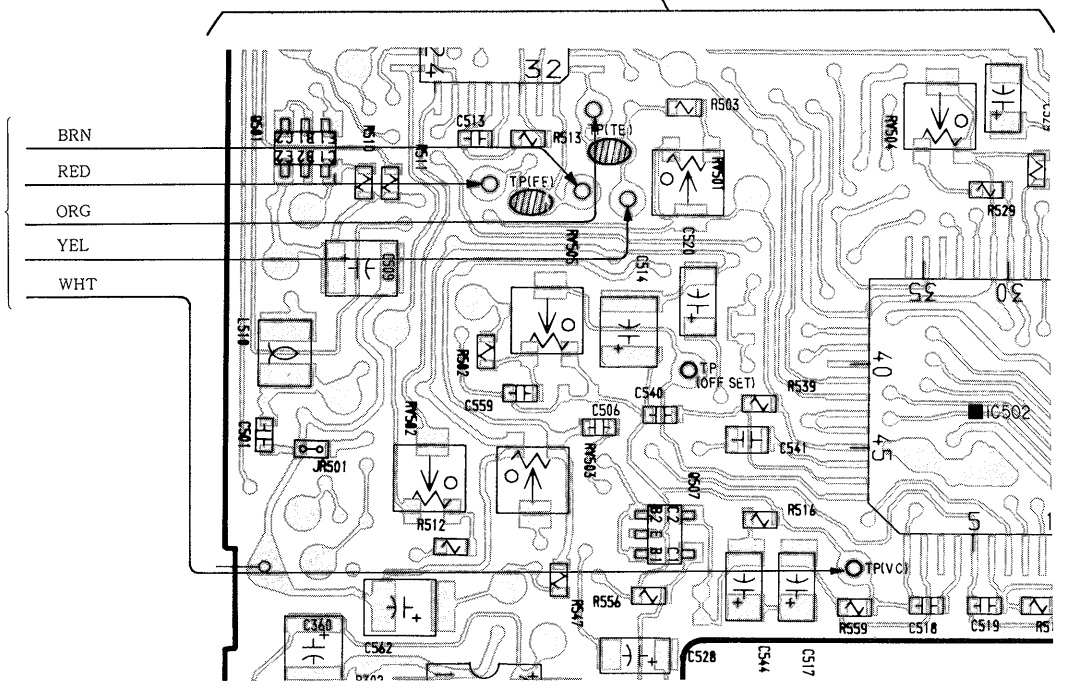
Be careful not to move RV505 (focus gain volume) and RV501 (tracking gain volume) ordinarily.

On this set, it is very difficult to simplify this adjustment. For those sets on which symptoms such as "occasional skipping" are hard to discover, or it is hard to tell if the set has been repaired, use the CD jig and perform this adjustment. Refer to the diagram below for connection of the CD jig. The adjustment procedure is described in the separate CD Jig Instruction Manual.

CD Jig Connection Procedure :

Remove the solder jumpers at the TE and FE locations and connect the CD jig.
(Connect the points on both TE and FE located on the side of IC501 to the output to the CD jig, and points located on the side of volumes to the input from the CD jig.)





SECTION 4
DIAGRAMS

4-1. SEMICONDUCTOR LEAD LAYOUTS

UN2119
DTA124EU
DTA144EU
DTC124EU
DTC143TU
DTC123YK
DTC123YU
DTC124EK
2SA1576-R
2SA1577-QR
2SB624-BV345
2SC4081-R
2SC4116-YG
2SD596-DV345
2SD1781K-QR

FMW2

DAP202U

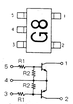
DA204U

IMD2
IDM3
XN4112
XN4608
XN4609

RB110C

M5278L05M

FMG8



2SB1308-QR
2SD1963-Q・R

RB111D
RD12M-B
RD6.8M-B
SB01-05CP

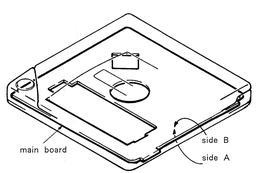
DTA113ZK
DTC114EU

XN4504

RB471E

FMA4
FMW1

DAN202U



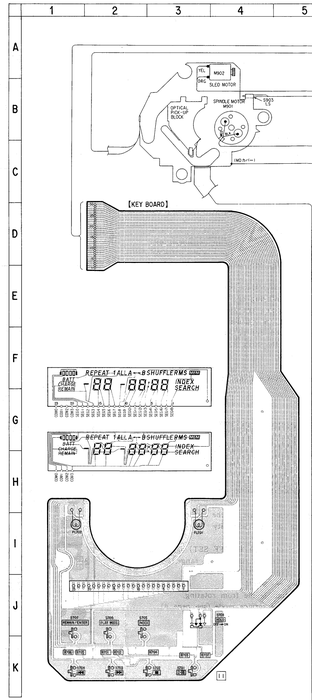
• SEMICONDUCTOR LOCATION

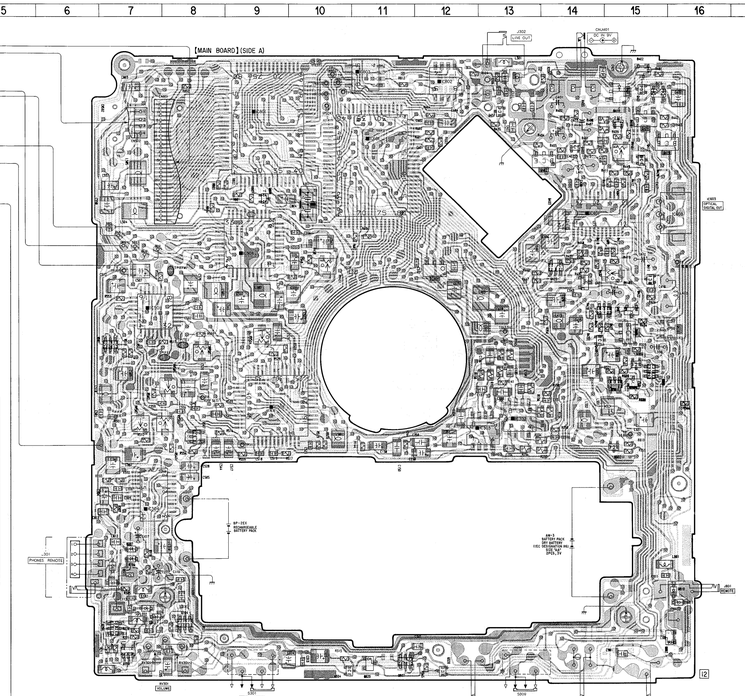
Ref. No.	Location	Ref. No.	Location
IC301	F-19	Q501	F-7
IC302	G-13	Q502	F-25
IC303	G-13	Q503	C-22
IC304	H-7	Q506	C-26
IC401	D-14	Q507	G-8
IC501	E-7	Q509	E-25
IC502	G-9	Q801	C-25
IC504	D-9	Q802	B-21
IC505	C-24	Q805	B-25
IC601	B-11	Q806	B-25
IC602	B-22	Q807	K-11
IC603	D-16	Q830	B-22
IC604	E-12		
IC801	B-9		
IC802	B-12	D301	E-19
IC803	A-11	D303	A-13
		D304	J-7
		D305	J-7
Q101	F-21		
Q102	J-26	D306	I-7
Q103	G-18	D307	I-7
Q104	J-8	D401	B-15
Q201	G-21	D402	A-15
		D403	D-14
Q202	K-26		
Q203	H-19	D404	C-19
Q204	J-7	D405	J-19
Q301	F-15	D406	B-18
Q302	G-15	D407	E-18
		D408	C-24
Q303	F-21		
Q304	K-10	D409	D-19
Q305	F-15	D410	B-15
Q306	F-15	D411	K-18
Q307	J-26	D413	B-23
		D414	C-19
Q308	F-15		
Q320	K-12	D415	E-19
Q350	K-7	D416	B-15
Q401	B-15	D420	C-18
Q402	C-14	D430	C-19
		D501	C-25
Q403	C-14		
Q404	F-18	D503	C-26
Q406	F-15	D801	B-25
Q407	E-15	D802	K-16
Q408	F-14	D803	C-24
		D804	B-23
Q409	B-15		
Q410	C-18	D805	C-23
Q411	E-15	D806	J-7
Q412	C-15	D807	I-7
Q413	B-19	D808	C-9
		D809	C-25
Q417	C-18		
Q418	F-16	D810	J-16
Q419	C-15	D811	J-16
Q420	E-20	D820	K-11
Q421	E-14	D830	B-25
Q422	E-15		
Q423	E-14		
Q424	D-18		
Q450	E-24		
Q451	B-13		

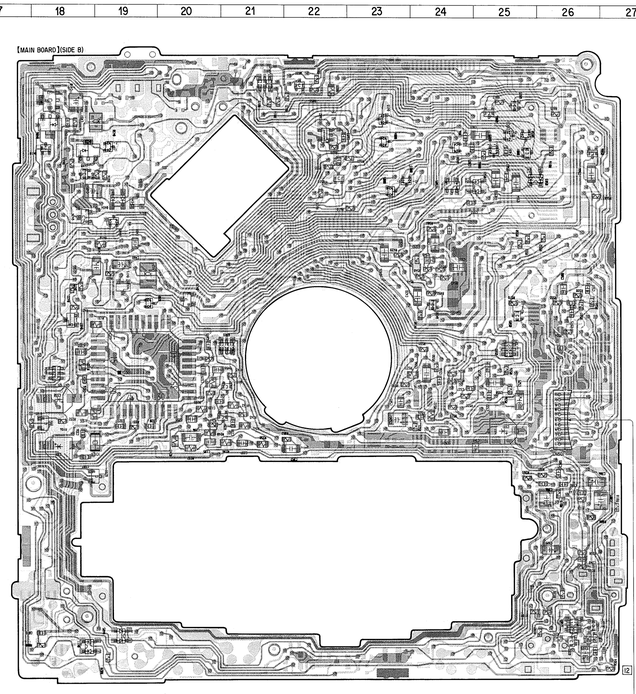
Note :

- ○—: parts extracted from the component side.
- ■ : parts mounted on the conductor side.
- —◇—: Through hole.
- ▒▒: Pattern on the side which is seen.
- ▒▒: Pattern of the rear side.
- ▨: Solder bridge.

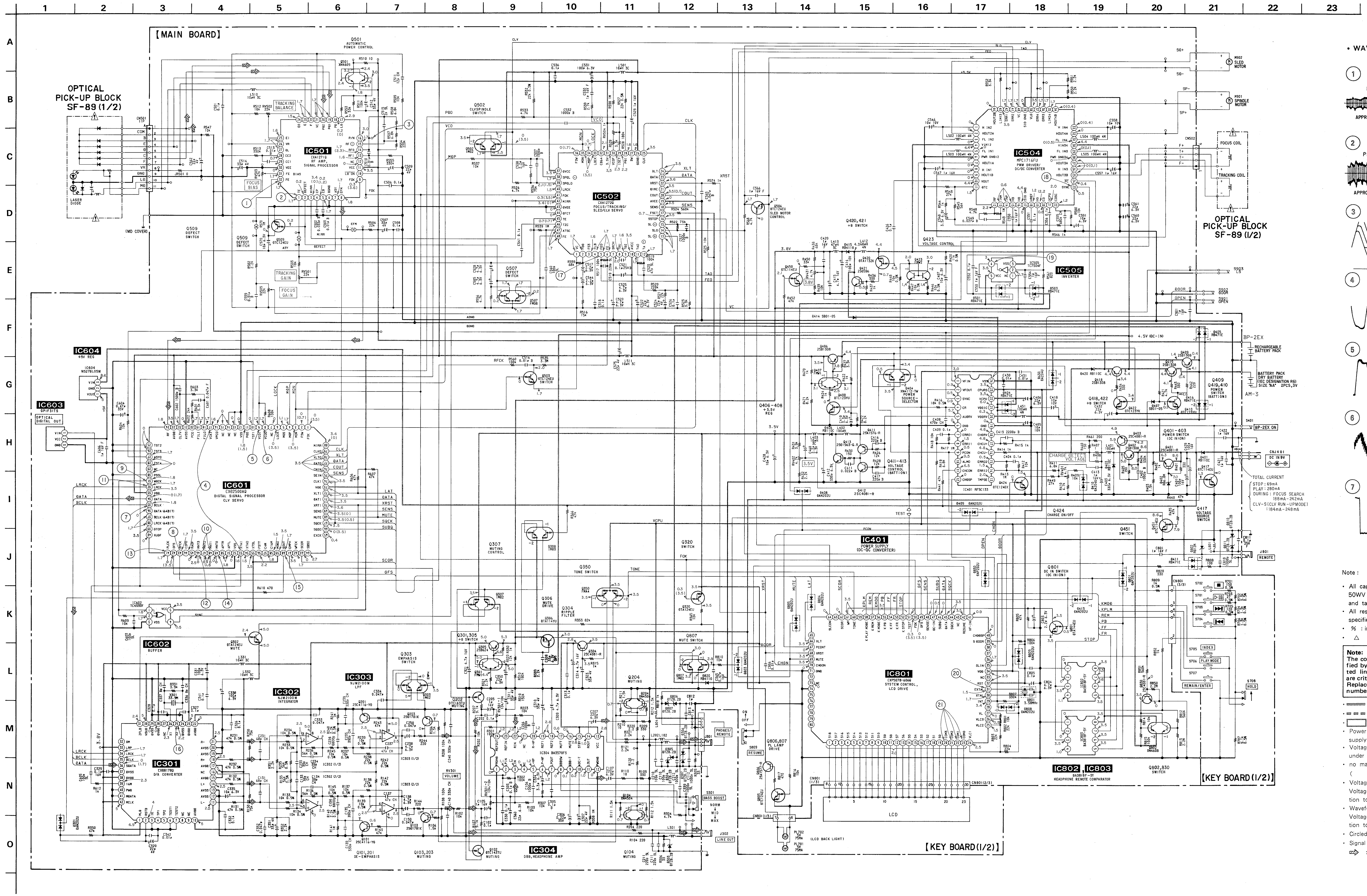
4-2. PRINTED WIRING BOARDS


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27
A B C D E F G H I J K
[KEY BOARD]
REPEAT TALLA—BSHUFFLERMS
PAST CHAPTER REWIND
INDEX SEARCH
SPINDLE MOTOR M902
SLED MOTOR
OPTICAL PICK-UP BLOCK
M903
(NO.8)(+)
I1

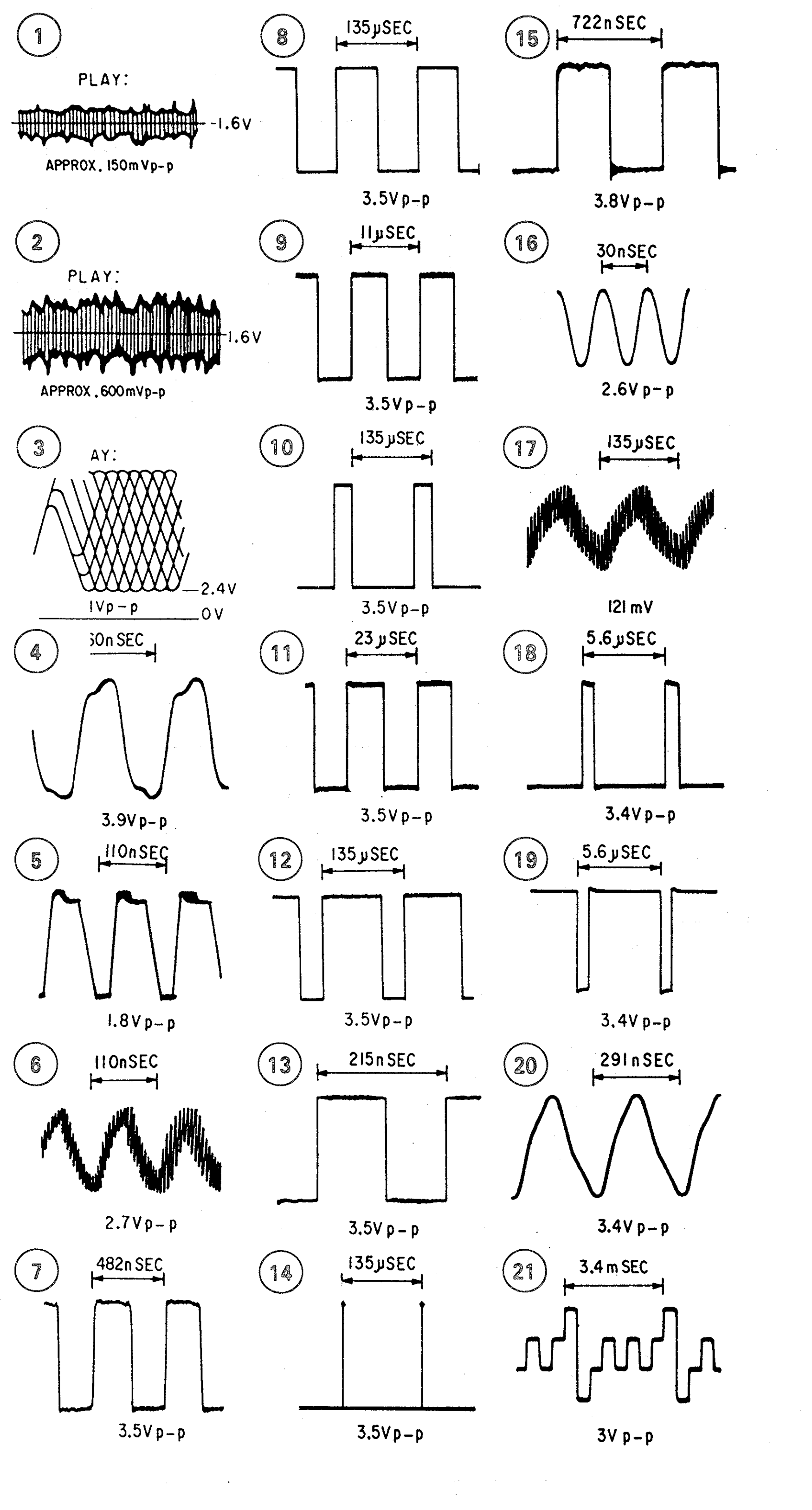




4-3. SCHEMATIC DIAGRAMS



• WAVEFORMS



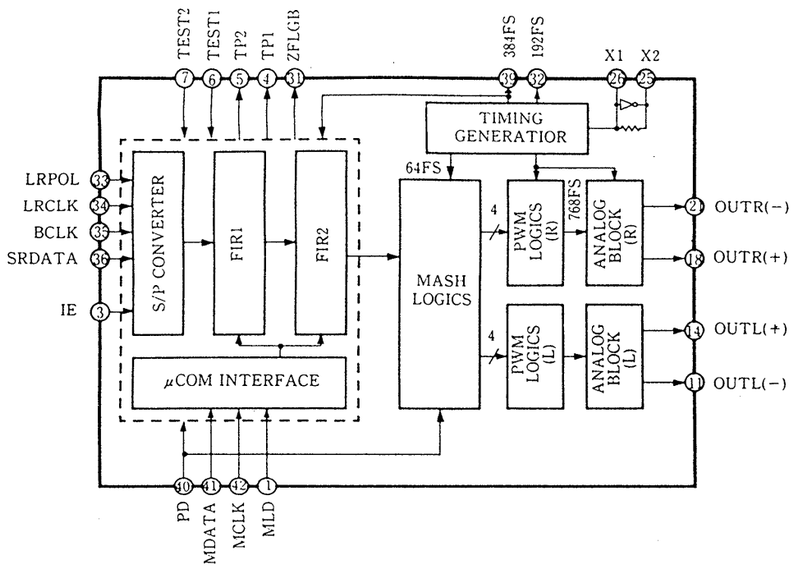
Note :

- All capacitors are in μF unless otherwise noted. pF : μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- % : indicates tolerance.
- △ : internal component.

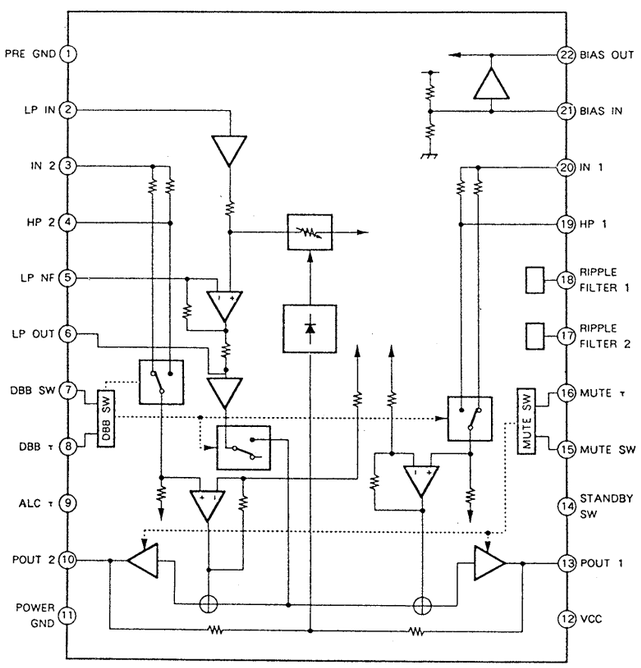
Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- ▬▬ : B+ Line
- ▬ ▬ ▬ : B− Line
- ▭ : adjustment for repair.
- Power voltage is dc 9V and fed with regulated dc power supply from external power voltage jack.
- Voltage and waveforms are dc with respect to ground under the service mode.
- no mark : STOP
  ( ) : PLAY
- Voltages are taken with a VOM (Input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : CD

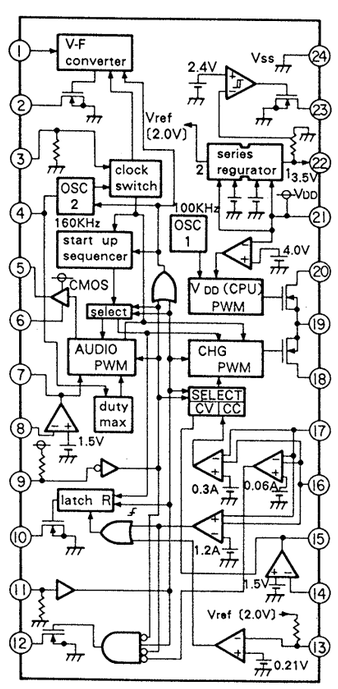
IC301 CXD8178Q



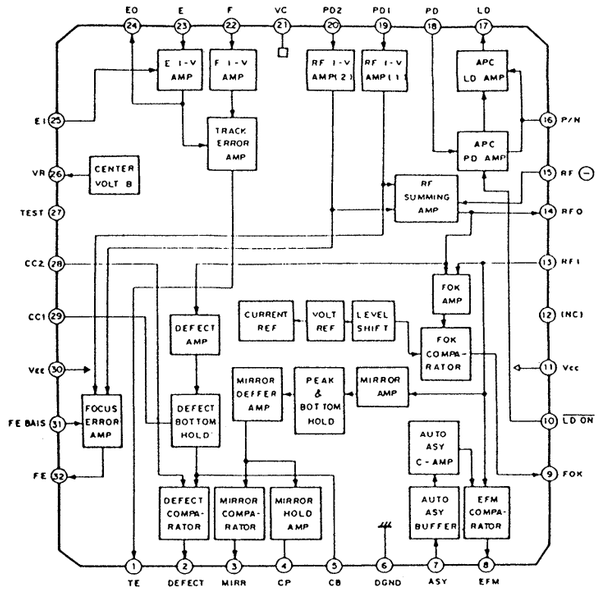
IC304 BA3570FS



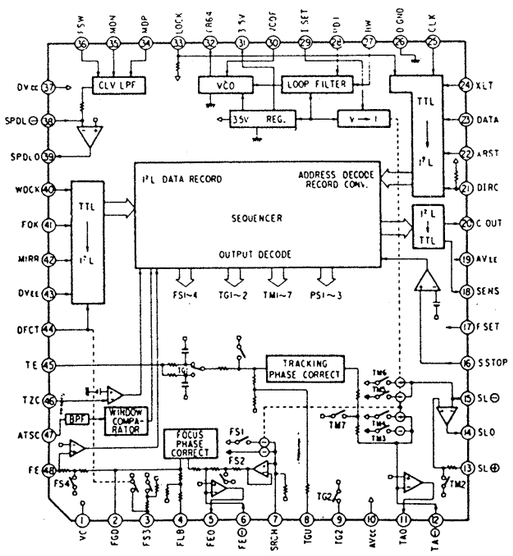
IC401 RF5C133



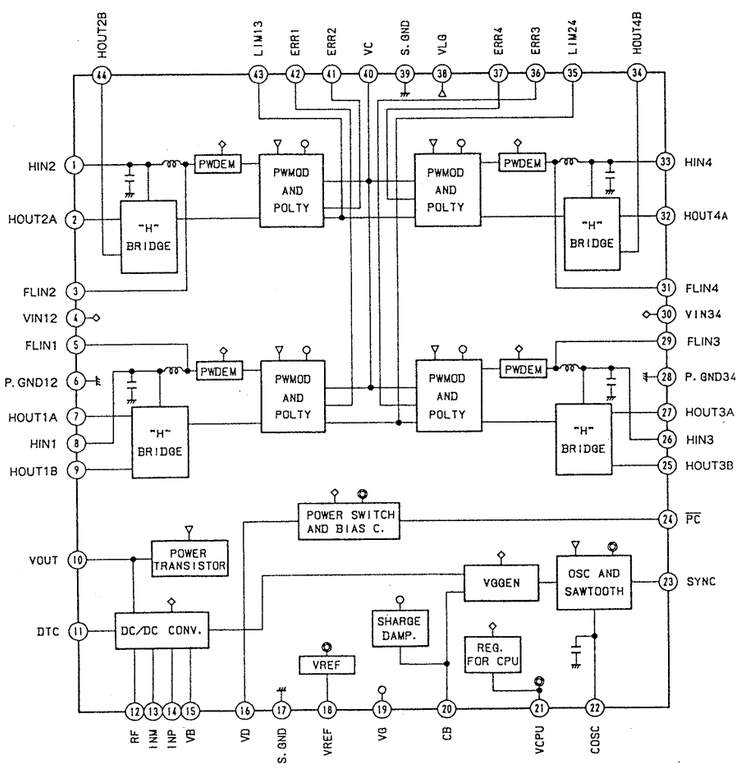
IC501 CXA1271Q



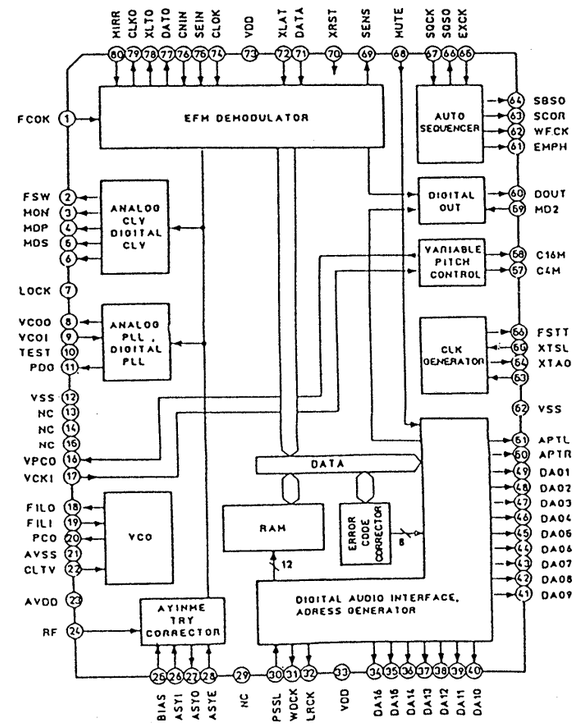
IC502 CXA1272Q



IC504 MPC1716FU



IC601 CXD2500AQ



IC802, 803 BA3818F-SY

REVISED

SECTION 5
EXPLODED VIEWS

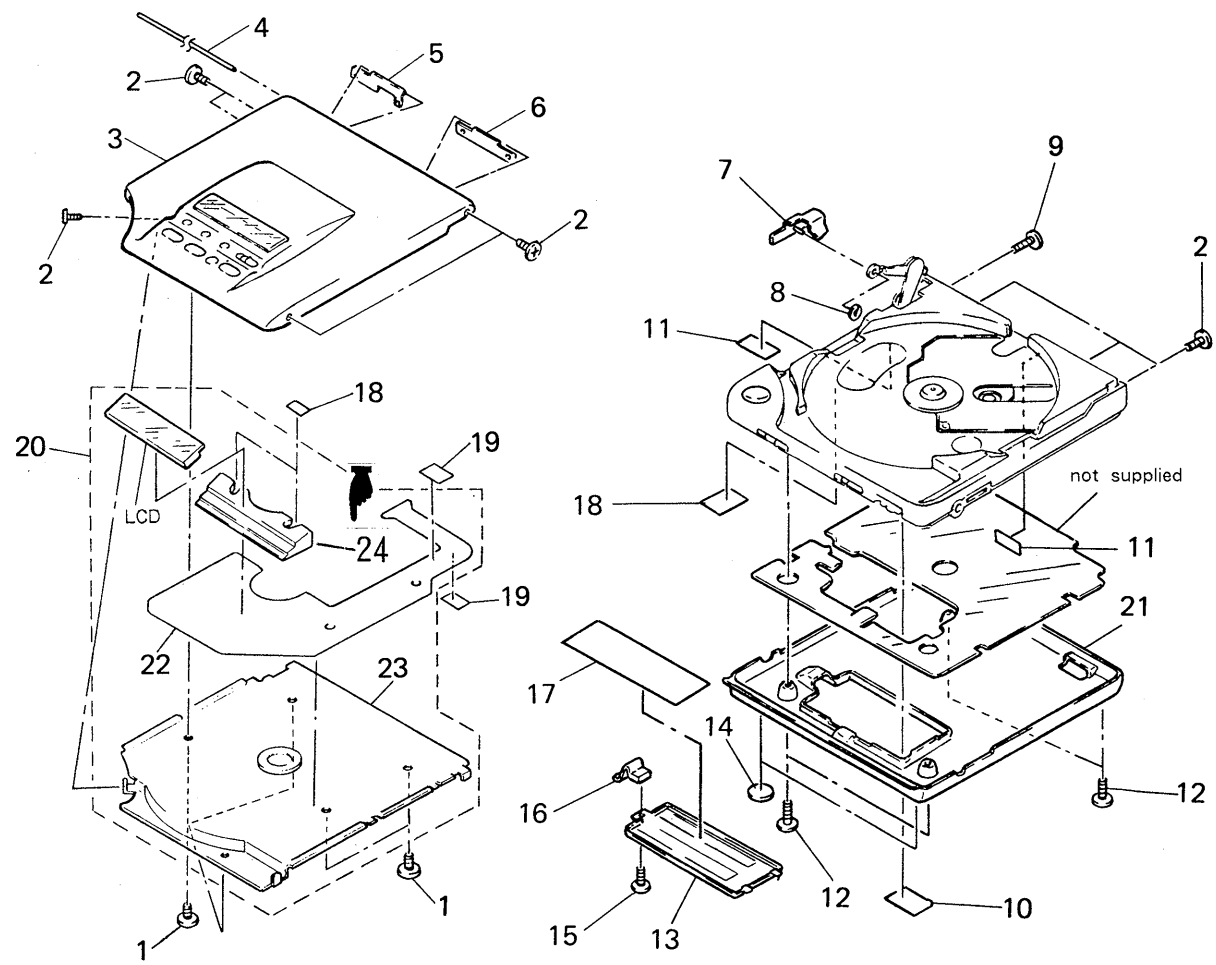
NOTE:

- —XX, —X mean standardized parts, so they may have some differences from the original one.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Color indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE)....(RED)
  ↑ ↑
  Parts color Cabinet's color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (#mark) list is given in the last of this parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifé.

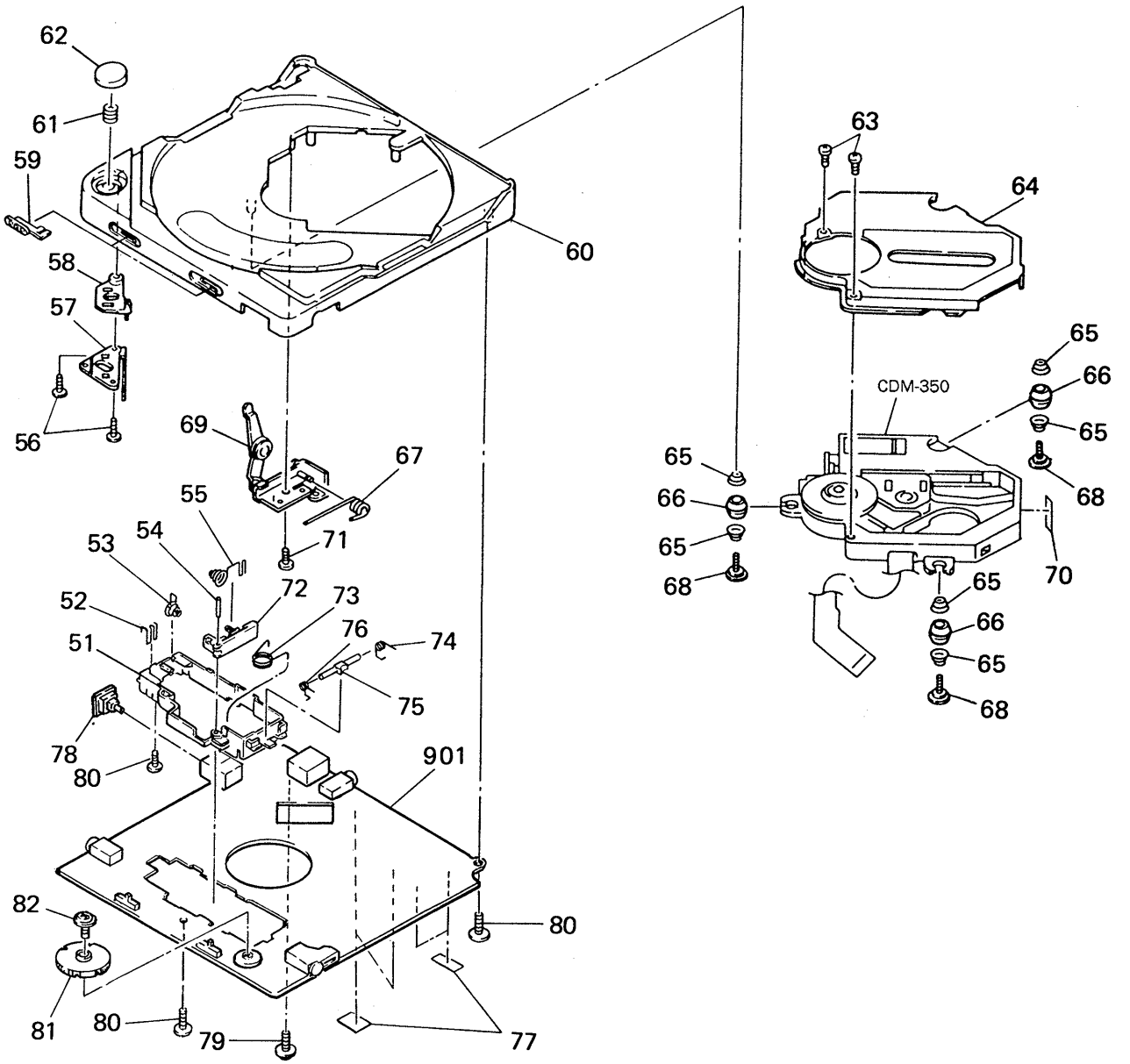
5-1. CABINET SECTION-1



Ref. No.	Part No.	Description	Remark
1	3-703-816-32	SCREW (M1.4X1.6), SPECIAL HEAD	
2	3-703-816-42	SCREW (M1.4X2.5), SPECIAL HEAD	
3	X-4941-303-1	PANEL ASSY, UPPER···(GRY)	
3	X-4941-304-1	PANEL ASSY, UPPER···(BLK)	
4	4-942-933-01	SHAFT, FULCRUM	
5	4-942-934-01	HINGE (L)	
6	4-942-932-01	HINGE (R)	
7	X-4941-298-1	RETAINER ASSY, ARM	
8	4-942-938-01	WASHER (V), POLY-SLIDER	
9	3-703-816-12	SCREW (M1.4X4.0), SPECIAL HEAD	
10	4-942-902-01	SHEET, BATTERY CASE	
11	3-831-441-XX	SPACER, KNOB	
12	4-908-792-71	SCREW (B2X6), TAPPING, P1	
13	4-942-918-01	LID, BATTERY CASE···(BLK)	
13	4-942-918-11	LID, BATTERY CASE···(GRY)	

Ref. No.	Part No.	Description	Remark
14	4-912-641-01	FOOT, RUBBER	
15	3-342-512-11	SCREW (B1.7X3), TAPPING	
16	4-942-916-01	CLAW, LOCK	
17	4-942-908-01	SHEET, INSULATING	
18	3-831-441-11	CUSHION (B)	
19	* 4-935-727-01	SPACER (FU)	
20	A-3208-715-A	COVER BLOCK ASSY, LID (UK)	
21	X-4941-294-1	PANEL ASSY, BOTTOM···(BLK)	
21	X-4941-295-1	PANEL ASSY, BOTTOM···(GRY)	
22	* 1-466-507-11	PC BOARD, KEY SWITCH FLEXIBLE	
23	X-4941-301-1	COVER ASSY, LID	
24	* 4-942-921-02	PLATE, LIGHT GUIDE	
LCD	1-809-269-11	DISPLAY PANEL, LIQUID CRYSTAL	

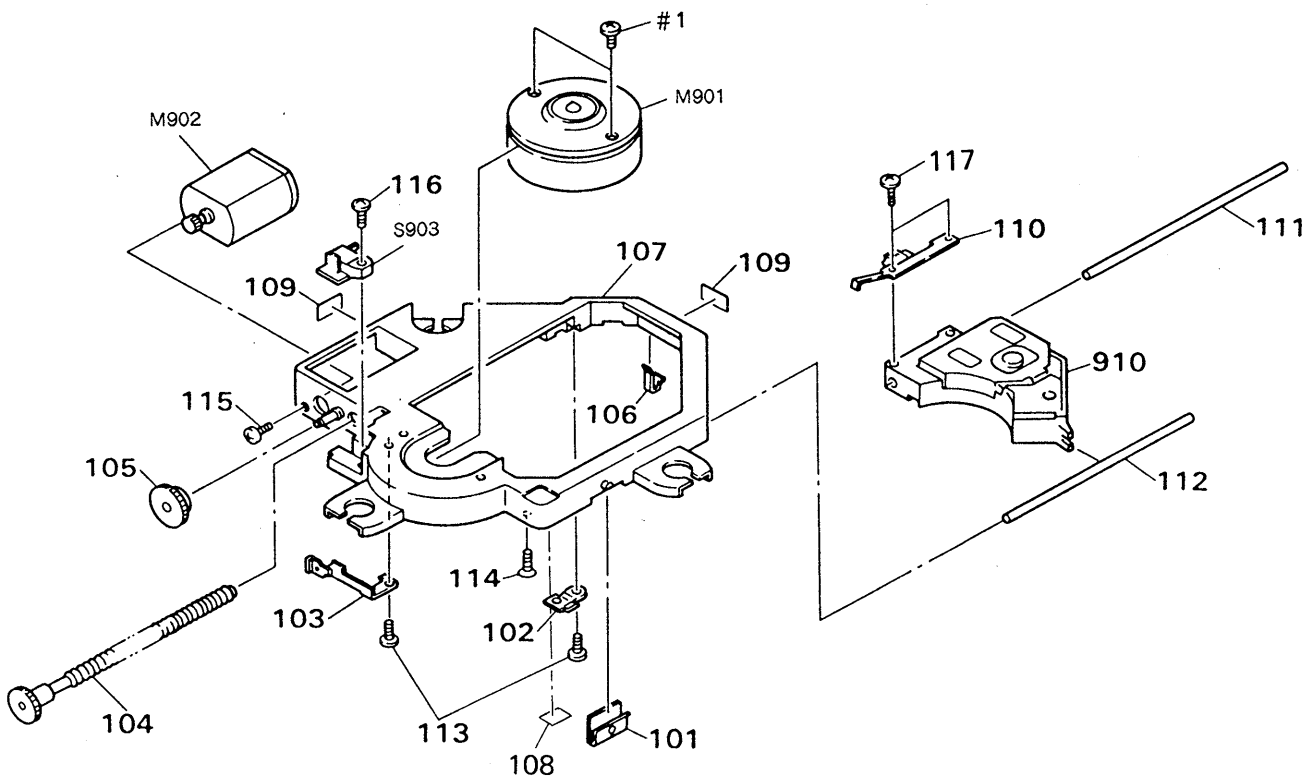
5-2. CABINET SECTION-2



Ref. No.	Part No.	Description	Remark
51	4-942-917-01	CASE, BATTERY	
52	4-942-910-01	SPRING (+), BATTERY COIL	
53	4-942-904-01	SPRING (-), BATTERY COIL	
54	4-942-903-01	SHAFT	
55	4-942-900-01	SPRING (+-), BATTERY COIL	
56	3-895-823-41	SCREW (B1.4X4), TAPPING	
57	4-942-883-01	RETAINER, LOCK LEVER	
58	4-942-914-01	LEVER, LOCK	
59	4-942-901-01	KNOB (DBB)・・・(BLK)	
59	4-942-901-11	KNOB (DBB)・・・(GRY)	
60	4-942-920-01	CABINET・・・(BLK)	
60	4-942-920-11	CABINET・・・(GRY)	
61	4-917-727-01	SPRING, COMPRESSION	
62	4-942-909-01	BUTTON (OPEN)・・・(BLK)	
62	4-942-909-11	BUTTON (OPEN)・・・(GRY)	
63	3-895-823-41	SCREW (B1.4X4), TAPPING	
64	4-932-789-01	COVER, MD	

Ref. No.	Part No.	Description	Remark
65	4-932-792-01	SPRING, COMPRESSION	
66	4-932-791-01	INSULATOR	
67	4-932-734-01	SPRING	
68	4-932-780-03	SCREW, STEP	
69	X-4941-302-1	ARM ASSY, SWITCHING	
70	3-831-441-XX	SPACER, KNOB	
71	4-908-792-51	SCREW (B2X5), TAPPING, P1	
72	4-942-915-01	TERMINAL BOARD, BATTERY	
73	4-942-907-01	SPRING, TORSION	
74	4-942-911-01	SPRING (A), BATTERY COIL	
75	4-942-906-01	SHAFT, SPRING	
76	4-942-899-01	SPRING (B), BATTERY COIL	
77	3-831-441-11	CUSHION (B)	
78	4-942-912-01	CAP	
79	3-335-797-21	SCREW (M1.4X3), TOOTHED LOCK	
80	4-908-792-71	SCREW (B2X6), TAPPING, P1	
81	4-942-913-01	KNOB (VOL)	
82	3-703-502-31	SCREW	
901	A-3270-937-A	MAIN BOARD, COMPLETE (EXCEPT FOR UK)	
901	A-3275-094-A	MAIN BOARD, COMPLETE (UK)	

5-3. MECHANISM SECTION
(CDM-350)



Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
101	4-932-779-01	RETAINER (A), FLEXIBLE	
102	4-932-776-01	RETAINER, SHAFT	
103	4-932-786-01	SPRING, LEAF	
104	X-4921-254-1	FEED SCREW ASSY	
105	4-932-778-01	GEAR (B)	
106	4-932-777-01	RETAINER (B), FLEXIBLE	
107	* 4-932-790-01	CHASSIS	
108	* 4-935-743-11	SPACER	
109	3-831-441-XX	SPACER, KNOB	
110	4-932-785-01	RACK (OUTSERT)	
111	4-932-784-01	SHAFT (A)	
112	4-932-775-11	SHAFT (B)	
113	3-895-823-41	SCREW (B1.4X4), TAPPING	
114	4-941-983-01	SCWER (B1.7X6), SPECIAL	
115	4-932-773-11	SCREW	
116	4-908-792-91	SCREW (B2X7), TAPPING, P1	
910	⚠ X-4921-260-1	PICKUP, OPTICAL	
M901	A-3133-398-A	MOTOR ASSY, CLV	
M902	X-4921-256-1	FEED MOTOR ASSY	
S903	1-570-771-11	SWITCH	

MAIN

SECTION 6
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- −XX, −X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms
  METAL : Metal-film resistor
  METAL OXIDE : Metal Oxide-film resistor
  F : nonflammable
- Items marked "＊" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u : μ, for example :
  uA.... : μA....., uPA.... : μPA....
  uPB.... : μPB....., uPC.... : μPC....
  uPD.... : μPD....
- CAPACITORS
  uF : μF
- COILS
  uH : μH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board name.

Ref. No.	Part No.	Description			Remark
	A-3270-937-A	MAIN BOARD, COMPLETE (EXCEPT FOR UK)			
		**********			
	A-3275-094-A	MAIN BOARD, COMPLETE (UK)			
		**********			
	3-703-502-31	SCREW			
	4-942-899-01	SPRING (B), BATTERY COIL			
	4-942-900-01	SPRING (+-), BATTERY COIL			
	4-942-903-01	SHAFT			
	4-942-904-01	SPRING (-), BATTERY COIL			
	4-942-906-01	SHAFT, SPRING			
	4-942-907-01	SPRING, TORSION			
	4-942-910-01	SPRING (+), BATTERY COIL			
	4-942-911-01	SPRING (A), BATTERY COIL			
	4-942-913-01	KNOB (VOL)			
	4-942-915-01	TERMINAL BOARD, BATTERY			
	4-942-917-01	CASE, BATTERY			
		< CAPACITOR >			
C102	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C105	1-135-091-00	TANTAL CHIP	1uF	20%	16V
C106	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C107	1-126-369-11	ELECT	220uF	20%	6.3V
C110	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C111	1-162-957-11	CERAMIC CHIP	220PF	5%	50V
C112	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C131	1-162-925-11	CERAMIC CHIP	68PF	5%	50V
C133	1-163-241-11	CERAMIC CHIP	39PF	5%	50V
C134	1-163-241-11	CERAMIC CHIP	39PF	5%	50V
C135	1-163-131-00	CERAMIC CHIP	390PF	5%	50V
C136	1-137-292-11	FILM CHIP	0.0068uF	5%	16V
C137	1-163-109-00	CERAMIC CHIP	47PF	5%	50V
C138	1-135-181-21	TANTALUM CHIP	4.7uF	20%	6.3V
C139	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C140	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C150	1-137-302-11	FILM CHIP	0.047uF	5%	16V
C202	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C205	1-135-091-00	TANTAL CHIP	1uF	20%	16V
C206	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C207	1-126-369-11	ELECT	220uF	20%	6.3V
C210	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C211	1-162-957-11	CERAMIC CHIP	220PF	5%	50V
C212	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C231	1-162-925-11	CERAMIC CHIP	68PF	5%	50V
C233	1-163-241-11	CERAMIC CHIP	39PF	5%	50V
C234	1-163-241-11	CERAMIC CHIP	39PF	5%	50V
C235	1-163-131-00	CERAMIC CHIP	390PF	5%	50V
C236	1-137-292-11	FILM CHIP	0.0068uF	5%	16V
C237	1-163-109-00	CERAMIC CHIP	47PF	5%	50V
C238	1-135-181-21	TANTALUM CHIP	4.7uF	20%	6.3V
C239	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C240	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C250	1-137-302-11	FILM CHIP	0.047uF	5%	16V
C303	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C304	1-135-180-21	TANTALUM CHIP	3.3uF	20%	6.3V
C305	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C306	1-135-072-21	TANTALUM CHIP	0.22uF	10%	35V
C307	1-135-131-11	TANTAL CHIP	22uF	20%	4V
C308	1-124-292-00	ELECT	33uF	20%	6.3V
C309	1-135-181-21	TANTALUM CHIP	4.7uF	20%	6.3V
C310	1-135-162-21	TANTALUM CHIP	33uF	20%	4V
C311	1-135-162-21	TANTALUM CHIP	33uF	20%	4V
C313	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C314	1-135-155-21	TANTALUM CHIP	4.7uF	20%	16V
C320	1-135-131-11	TANTAL CHIP	22uF	20%	4V
C321	1-135-155-21	TANTALUM CHIP	4.7uF	20%	16V
C323	1-135-162-21	TANTALUM CHIP	33uF	20%	4V

MAIN

Ref. No.	Part No.	Description			Remark
C326	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C327	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C328	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C329	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C330	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C331	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C332	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C333	1-137-302-11	FILM CHIP	0.047uF	5%	16V
C334	1-137-302-11	FILM CHIP	0.047uF	5%	16V
C335	1-135-157-21	TANTALUM CHIP	10uF	20%	6.3V
C336	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
C337	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
C338	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C339	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V
C341	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C342	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C350	1-135-144-11	TANTAL CHIP	22uF	20%	6.3V
C351	1-135-162-21	TANTALUM CHIP	33uF	20%	4V
C352	1-137-302-11	FILM CHIP	0.047uF	5%	16V
C360	1-135-144-11	TANTAL CHIP	22uF	20%	6.3V
C365	1-164-005-11	CERAMIC CHIP	0.47uF		16V
C401	1-124-455-00	ELECT	100uF	20%	16V
C402	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C403	1-126-245-11	ELECT	330uF	20%	6.3V
C404	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C405	1-135-174-11	TANTAL CHIP	10uF	20%	10V
C406	1-135-144-11	TANTAL CHIP	22uF	20%	6.3V
C407	1-135-157-21	TANTALUM CHIP	10uF	20%	6.3V
C408	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C409	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C410	1-135-180-21	TANTALUM CHIP	3.3uF	20%	6.3V
C411	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C412	1-126-245-11	ELECT	330uF	20%	6.3V
C413	1-164-346-11	CERAMIC CHIP	1uF		16V
C414	1-124-584-00	ELECT	100uF	20%	10V
C415	1-135-155-21	TANTALUM CHIP	4.7uF	20%	16V
C416	1-162-957-11	CERAMIC CHIP	220PF	5%	50V
C417	1-162-957-11	CERAMIC CHIP	220PF	5%	50V
C418	1-135-174-11	TANTAL CHIP	10uF	20%	10V
C419	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C420	1-162-638-11	CERAMIC CHIP	1uF		16V
C421	1-164-346-11	CERAMIC CHIP	1uF		16V
C422	1-164-346-11	CERAMIC CHIP	1uF		16V
C426	1-163-077-00	CERAMIC CHIP	0.1uF	10%	25V
C428	1-135-157-21	TANTALUM CHIP	10uF	20%	6.3V
C429	1-124-455-00	ELECT	100uF	20%	16V
C430	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C431	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C432	1-135-144-11	TANTAL CHIP	22uF	20%	6.3V

Ref. No.	Part No.	Description			Remark
C460	1-135-149-21	TANTALUM CHIP	2.2uF	20%	6.3V
C501	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C502	1-163-989-11	CERAMIC CHIP	0.033uF	10%	25V
C503	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C505	1-135-181-21	TANTALUM CHIP	4.7uF	20%	6.3V
C506	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C507	1-135-162-21	TANTALUM CHIP	33uF	20%	4V
C508	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C509	1-135-131-11	TANTAL CHIP	22uF	20%	4V
C510	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C511	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C512	1-135-162-21	TANTALUM CHIP	33uF	20%	4V
C513	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C514	1-135-162-21	TANTALUM CHIP	33uF	20%	4V
C515	1-162-932-11	CERAMIC CHIP	2PF	0.25PF	50V
C516	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C517	1-135-149-21	TANTALUM CHIP	2.2uF	20%	6.3V
C518	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C519	1-162-957-11	CERAMIC CHIP	220PF	5%	50V
C520	1-135-181-21	TANTALUM CHIP	4.7uF	20%	6.3V
C521	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C522	1-135-144-11	TANTAL CHIP	22uF	20%	6.3V
C523	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
C524	1-135-131-11	TANTAL CHIP	22uF	20%	4V
C525	1-135-181-21	TANTALUM CHIP	4.7uF	20%	6.3V
C526	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C527	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C528	1-135-181-21	TANTALUM CHIP	4.7uF	20%	6.3V
C529	1-135-091-00	TANTAL CHIP	1uF	20%	16V
C530	1-162-638-11	CERAMIC CHIP	1uF		16V
C531	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C532	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C536	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C537	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C538	1-164-337-11	CERAMIC CHIP	2.2uF		16V
C540	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C541	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C544	1-135-149-21	TANTALUM CHIP	2.2uF	20%	6.3V
C546	1-135-174-11	TANTAL CHIP	10uF	20%	10V
C547	1-135-091-00	TANTAL CHIP	1uF	20%	16V
C548	1-135-180-21	TANTALUM CHIP	3.3uF	20%	6.3V
C549	1-163-986-00	CERAMIC CHIP	0.027uF	10%	25V
C550	1-162-638-11	CERAMIC CHIP	1uF		16V
C551	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C552	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C553	1-162-638-11	CERAMIC CHIP	1uF		16V
C554	1-162-638-11	CERAMIC CHIP	1uF		16V
C555	1-163-201-00	CERAMIC CHIP	680PF	5%	50V
C556	1-164-156-11	CERAMIC CHIP	0.1uF		25V

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Ref. No.	Part No.	Description			Remark
C557	1-135-091-00	TANTAL CHIP	1uF	20%	16V
C558	1-135-174-11	TANTAL CHIP	10uF	20%	10V
C559	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C560	1-135-144-11	TANTAL CHIP	22uF	20%	6.3V
C561	1-135-144-11	TANTAL CHIP	22uF	20%	6.3V
C562	1-135-131-11	TANTAL CHIP	22uF	20%	4V
C565	1-163-035-00	CERAMIC CHIP	0.047uF		50V
C566	1-162-638-11	CERAMIC CHIP	1uF		16V
C570	1-135-157-21	TANTALUM CHIP	10uF	20%	6.3V
C575	1-135-131-11	TANTAL CHIP	22uF	20%	4V
C591	1-135-157-21	TANTALUM CHIP	10uF	20%	6.3V
C601	1-164-361-11	CERAMIC CHIP	0.047uF		16V
C602	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C603	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C604	1-135-145-11	TANTALUM CHIP	0.47uF	10%	35V
C605	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C606	1-164-346-11	CERAMIC CHIP	1uF		16V
C801	1-162-638-11	CERAMIC CHIP	1uF		16V
C803	1-135-149-21	TANTALUM CHIP	2.2uF	20%	6.3V
C804	1-135-181-21	TANTALUM CHIP	4.7uF	20%	6.3V
C805	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C806	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C810	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C811	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C812	1-164-346-11	CERAMIC CHIP	1uF		16V
C813	1-164-346-11	CERAMIC CHIP	1uF		16V
C901	1-164-346-11	CERAMIC CHIP	1uF		16V

< CONNECTOR >

CN501	1-566-527-11	CONNECTOR, FPC (ZIF) 11P
CN502	1-563-552-11	SOCKET, CONNECTOR 4P
CN801	1-569-142-21	HOUSING, CONNECTOR 30P
CNJ401	1-580-428-11	JACK, DC (DC IN 9V)

< DIODE >

D301	8-719-941-86	DIODE DAN202U
D303	8-719-977-20	DIODE DTZ8.2B
D304	8-719-977-20	DIODE DTZ8.2B
D305	8-719-977-20	DIODE DTZ8.2B
D306	8-719-977-20	DIODE DTZ8.2B
D307	8-719-977-20	DIODE DTZ8.2B
D401	8-719-975-33	DIODE RB110C
D402	8-719-157-36	DIODE RD6.8M-B
D403	8-719-975-33	DIODE RB110C
D404	8-719-975-46	DIODE RB471E
D405	8-719-975-46	DIODE RB471E
D406	8-719-975-33	DIODE RB110C
D407	8-719-938-72	DIODE SB01-05CP
D408	8-719-941-86	DIODE DAN202U
D409	8-719-941-86	DIODE DAN202U
D410	8-719-941-23	DIODE DA204U
D411	8-719-975-46	DIODE RB471E
D413	8-719-941-86	DIODE DAN202U
D414	8-719-938-72	DIODE SB01-05CP
D415	8-719-975-40	DIODE RB411D
D416	8-719-975-46	DIODE RB471E
D420	8-719-975-33	DIODE RB110C
D430	8-719-941-23	DIODE DA204U
D501	8-719-975-46	DIODE RB471E
D503	8-719-975-46	DIODE RB471E
D801	8-719-941-09	DIODE DAP202U
D802	8-719-157-54	DIODE RD12M-B
D803	8-719-941-86	DIODE DAN202U
D804	8-719-941-86	DIODE DAN202U
D805	8-719-941-86	DIODE DAN202U
D806	8-719-977-20	DIODE DTZ8.2B
D807	8-719-977-20	DIODE DTZ8.2B
D808	8-719-941-86	DIODE DAN202U
D809	8-719-941-86	DIODE DAN202U
D810	8-719-977-20	DIODE DTZ8.2B
D811	8-719-977-20	DIODE DTZ8.2B
D820	8-719-975-40	DIODE RB411D
D830	8-719-941-09	DIODE DAP202U

< IC >

IC301	8-759-420-86	IC CXD8178Q
IC302	8-759-710-55	IC NJM2100M
IC303	8-759-710-55	IC NJM2100M
IC304	8-759-510-56	IC BA3570FS
IC401	8-759-510-58	IC RF5C133
IC501	8-752-033-55	IC CXA1271Q
IC502	8-752-055-25	IC CXA1272Q-Z
IC504	8-759-031-89	IC MPC1716FU
IC505	8-759-031-84	IC TC7S04F
IC601	8-752-337-26	IC CXD2500AQ
IC602	8-759-234-13	IC TC4S30F
IC603	8-759-977-71	IC GP1F31T
IC604	8-759-512-69	IC S-81350HG-KD
IC801	8-752-819-40	IC CXP5078-607Q
IC802	8-759-998-45	IC BA3818F-SY
IC803	8-759-998-45	IC BA3818F-SY

< JACK >

J301	1-568-758-11	JACK (PHONES/REMOTE)
J302	1-563-281-41	JACK (LINE OUT)
J801	1-563-280-31	JACK (REMOTE)

Ref. No.	Part No.	Description	Remark
		< JUMPER >	
JR501	1-216-864-11	METAL CHIP 0	
		< COIL >	
L102	1-543-813-21	BEAD, FERRITE	
L202	1-543-813-21	BEAD, FERRITE	
L301	1-543-813-21	BEAD, FERRITE	
L331	1-412-029-11	INDUCTOR, CHIP 10uH	
L332	1-412-029-11	INDUCTOR, CHIP 10uH	
L401	1-412-747-11	COIL, CHOKE 100uH	
L402	1-412-747-11	COIL, CHOKE 100uH	
L403	1-412-622-51	INDUCTOR 10uH	
L412	1-412-400-31	INDUCTOR 68uH	
L413	1-412-031-11	INDUCTOR CHIP 47uH	
L451	1-412-032-11	INDUCTOR CHIP 100uH	
L501	1-412-029-11	INDUCTOR CHIP 10uH	
L502	1-412-039-51	INDUCTOR CHIP 100uH	
L503	1-412-039-51	INDUCTOR CHIP 100uH	
L504	1-412-039-51	INDUCTOR CHIP 100uH	
L505	1-412-039-51	INDUCTOR CHIP 100uH	
L510	1-412-029-11	INDUCTOR CHIP 10uH	
L511	1-412-029-11	INDUCTOR CHIP 10uH	
L801	1-543-813-21	BEAD, FERRITE	
L804	1-543-813-21	BEAD, FERRITE	
		< TRANSISTOR >	
Q101	8-729-230-63	TRANSISTOR 2SC4116-YG	
Q102	8-729-922-94	TRANSISTOR DTC143TU	
Q103	8-729-921-73	TRANSISTOR 2SD1781K-QR	
Q104	8-729-425-18	TRANSISTOR XN4504	
Q201	8-729-230-63	TRANSISTOR 2SC4116-YG	
Q202	8-729-922-94	TRANSISTOR DTC143TU	
Q203	8-729-921-73	TRANSISTOR 2SD1781K-QR	
Q204	8-729-425-18	TRANSISTOR XN4504	
Q301	8-729-903-10	TRANSISTOR FMW1	
Q302	8-729-905-57	TRANSISTOR DTA124EU	
Q303	8-729-907-39	TRANSISTOR IMD2	
Q304	8-729-905-35	TRANSISTOR 2SC4081-R	
Q305	8-729-141-48	TRANSISTOR 2SB624-BV345	
Q306	8-729-923-XX	TRANSISTOR DTA114YU	
Q307	8-729-907-39	TRANSISTOR IMD2T108	
Q308	8-729-907-28	TRANSISTOR IMD3	
Q320	8-729-905-57	TRANSISTOR DTA124EU	
Q350	8-729-902-90	TRANSISTOR FMA4	
Q401	8-729-905-35	TRANSISTOR 2SC4081-R	
Q402	8-729-806-76	TRANSISTOR 2SB1120-G	
Q403	8-729-905-35	TRANSISTOR 2SC4081-R	
Q404	8-729-402-XX	TRANSISTOR XN4112	
Q406	8-729-923-45	TRANSISTOR 2SB1308-QR	
Q407	8-729-903-10	TRANSISTOR FMW1	
Q408	8-729-924-65	TRANSISTOR DTC123YU	
Q409	8-729-923-45	TRANSISTOR 2SB1308-QR	
Q410	8-729-924-65	TRANSISTOR DTC123YU	
Q411	8-729-905-23	TRANSISTOR 2SA1576-R	
Q412	8-729-905-35	TRANSISTOR 2SC4081-R	
Q413	8-729-923-36	TRANSISTOR 2SD1963-Q, R	
Q417	8-729-907-00	TRANSISTOR DTC114EU	
Q418	8-729-923-45	TRANSISTOR 2SB1308-QR	
Q419	8-729-923-45	TRANSISTOR 2SB1308-QR	
Q420	8-729-423-96	TRANSISTOR UN2119	
Q421	8-729-141-75	TRANSISTOR 2SD596-DV345	
Q422	8-729-923-04	TRANSISTOR DTC123YK	
Q423	8-729-903-82	TRANSISTOR FMW2	
Q424	8-729-901-00	TRANSISTOR DTC124EK	
Q450	8-729-907-00	TRANSISTOR DTC114EU	
Q451	8-729-907-00	TRANSISTOR DTC114EU	
Q501	8-729-402-90	TRANSISTOR XN4609	
Q502	8-729-907-39	TRANSISTOR IMD2	
Q503	8-729-905-61	TRANSISTOR DTC124EU	
Q506	8-729-905-61	TRANSISTOR DTC124EU	
Q507	8-729-924-79	TRANSISTOR FMG8	
Q509	8-729-905-61	TRANSISTOR DTC124EU	
Q801	8-729-905-12	TRANSISTOR DTA144EU	
Q802	8-729-402-16	TRANSISTOR XN4608	
Q805	8-729-905-61	TRANSISTOR DTC124EU	
Q806	8-729-922-10	TRANSISTOR 2SA1577-QR	
Q807	8-729-907-39	TRANSISTOR IMD2	
Q830	8-729-905-35	TRANSISTOR 2SC4081-R	
		< RESISTOR >	
R102	1-216-833-11	METAL CHIP 10K 5% 1/16W	
R103	1-216-833-11	METAL CHIP 10K 5% 1/16W	
R104	1-216-813-11	METAL CHIP 220 5% 1/16W	
R106	1-216-823-11	METAL CHIP 1.5K 5% 1/16W	
R107	1-218-345-11	METAL GLAZE 9.1K 5% 1/16W	
R108	1-216-845-11	METAL CHIP 100K 5% 1/16W	
R109	1-216-815-11	METAL CHIP 330 5% 1/16W	
R110	1-216-797-11	METAL CHIP 10 5% 1/16W	
R111	1-216-823-11	METAL CHIP 1.5K 5% 1/16W	
R112	1-216-823-11	METAL CHIP 1.5K 5% 1/16W	
R120	1-216-789-11	METAL CHIP 2.2 5% 1/16W	
R121	1-216-825-11	METAL CHIP 2.2K 5% 1/16W	
R131	1-216-691-11	METAL CHIP 47K 0.5% 1/10W	
R132	1-216-691-11	METAL CHIP 47K 0.5% 1/10W	
R133	1-216-675-11	METAL CHIP 10K 0.5% 1/10W	

MAIN

Ref. No.	Part No.	Description			Remark
R134	1-216-675-11	METAL CHIP	10K	0.5%	1/10W
R135	1-216-693-11	METAL CHIP	56K	0.5%	1/10W
R136	1-216-693-11	METAL CHIP	56K	0.5%	1/10W
R137	1-216-675-11	METAL CHIP	10K	0.5%	1/10W
R138	1-216-683-11	METAL CHIP	22K	0.5%	1/10W
R139	1-216-675-11	METAL CHIP	10K	0.5%	1/10W
R140	1-216-659-11	METAL CHIP	2.2K	0.5%	1/10W
R141	1-216-857-11	METAL CHIP	1M	5%	1/16W
R142	1-216-683-11	METAL CHIP	22K	0.5%	1/10W
R143	1-216-841-11	METAL CHIP	47K	5%	1/16W
R144	1-216-813-11	METAL CHIP	220	5%	1/16W
R145	1-216-675-11	METAL CHIP	10K	0.5%	1/10W
R150	1-218-296-11	METAL GLAZE	75K	5%	1/16W
R202	1-216-833-11	METAL CHIP	10K	5%	1/16W
R203	1-216-833-11	METAL CHIP	10K	5%	1/16W
R204	1-216-813-11	METAL CHIP	220	5%	1/16W
R206	1-216-823-11	METAL CHIP	1.5K	5%	1/16W
R207	1-218-345-11	METAL GLAZE	9.1K	5%	1/16W
R208	1-216-845-11	METAL CHIP	100K	5%	1/16W
R209	1-216-815-11	METAL CHIP	330	5%	1/16W
R210	1-216-797-11	METAL CHIP	10	5%	1/16W
R211	1-216-823-11	METAL CHIP	1.5K	5%	1/16W
R212	1-216-823-11	METAL CHIP	1.5K	5%	1/16W
R220	1-216-789-11	METAL CHIP	2.2	5%	1/16W
R221	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R231	1-216-691-11	METAL CHIP	47K	0.5%	1/10W
R232	1-216-691-11	METAL CHIP	47K	0.5%	1/10W
R233	1-216-675-11	METAL CHIP	10K	0.5%	1/10W
R234	1-216-675-11	METAL CHIP	10K	0.5%	1/10W
R235	1-216-693-11	METAL CHIP	56K	0.5%	1/10W
R236	1-216-693-11	METAL CHIP	56K	0.5%	1/10W
R237	1-216-675-11	METAL CHIP	10K	0.5%	1/10W
R238	1-216-683-11	METAL CHIP	22K	0.5%	1/10W
R239	1-216-675-11	METAL CHIP	10K	0.5%	1/10W
R240	1-216-659-11	METAL CHIP	2.2K	0.5%	1/10W
R241	1-216-857-11	METAL CHIP	1M	5%	1/16W
R242	1-216-683-11	METAL CHIP	22K	0.5%	1/10W
R243	1-216-841-11	METAL CHIP	47K	5%	1/16W
R244	1-216-813-11	METAL CHIP	220	5%	1/16W
R245	1-216-675-11	METAL CHIP	10K	0.5%	1/10W
R250	1-218-296-11	METAL GLAZE	75K	5%	1/16W
R301	1-216-845-11	METAL CHIP	100K	5%	1/16W
R302	1-216-845-11	METAL CHIP	100K	5%	1/16W
R304	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R305	1-216-803-11	METAL CHIP	33	5%	1/16W
R306	1-216-803-11	METAL CHIP	33	5%	1/16W
R307	1-216-832-11	METAL CHIP	8.2K	5%	1/16W
R308	1-216-857-11	METAL CHIP	1M	5%	1/16W
R309	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R310	1-216-848-11	METAL CHIP	180K	5%	1/16W
R315	1-216-821-11	METAL CHIP	1K	5%	1/16W
R319	1-216-847-11	METAL CHIP	150K	5%	1/16W
R320	1-216-834-11	METAL CHIP	12K	5%	1/16W
R321	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R330	1-216-821-11	METAL CHIP	1K	5%	1/16W
R331	1-216-828-11	METAL CHIP	3.9K	5%	1/16W
R350	1-216-841-11	METAL CHIP	47K	5%	1/16W
R351	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R352	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R353	1-216-844-11	METAL CHIP	82K	5%	1/16W
R365	1-216-833-11	METAL CHIP	10K	5%	1/16W
R366	1-216-841-11	METAL CHIP	47K	5%	1/16W
R401	1-216-815-11	METAL CHIP	330	5%	1/16W
R402	1-216-821-11	METAL CHIP	1K	5%	1/16W
R403	1-216-823-11	METAL CHIP	1.5K	5%	1/16W
R404	1-216-815-11	METAL CHIP	330	5%	1/16W
R405	1-216-811-11	METAL CHIP	150	5%	1/16W
R407	1-217-671-11	METAL CHIP	1	5%	1/10W
R408	1-217-671-11	METAL CHIP	1	5%	1/10W
R409	1-216-833-11	METAL CHIP	10K	5%	1/16W
R410	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R411	1-216-831-11	METAL CHIP	6.8K	5%	1/16W
R412	1-216-833-11	METAL CHIP	10K	5%	1/16W
R413	1-216-857-11	METAL CHIP	1M	5%	1/16W
R414	1-216-821-11	METAL CHIP	1K	5%	1/16W
R415	1-216-821-11	METAL CHIP	1K	5%	1/16W
R416	1-216-681-11	METAL CHIP	18K	0.5%	1/10W
R417	1-216-857-11	METAL CHIP	1M	5%	1/16W
R418	1-216-833-11	METAL CHIP	10K	5%	1/16W
R419	1-216-831-11	METAL CHIP	6.8K	5%	1/16W
R420	1-218-330-11	METAL CHIP	11K	0.50%	1/16W
R421	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R422	1-216-821-11	METAL CHIP	1K	5%	1/16W
R424	1-216-821-11	METAL CHIP	1K	5%	1/16W
R426	1-216-834-11	METAL CHIP	12K	5%	1/16W
R427	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R428	1-216-834-11	METAL CHIP	12K	5%	1/16W
R430	1-216-811-11	METAL CHIP	150	5%	1/16W
R431	1-216-828-11	METAL CHIP	3.9K	5%	1/16W
R432	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R434	1-216-815-11	METAL CHIP	330	5%	1/16W
R435	1-216-841-11	METAL CHIP	47K	5%	1/16W
R436	1-216-815-11	METAL CHIP	330	5%	1/16W
R437	1-216-821-11	METAL CHIP	1K	5%	1/16W
R438	1-216-843-11	METAL CHIP	68K	5%	1/16W
R439	1-216-833-11	METAL CHIP	10K	5%	1/16W
R440	1-216-841-11	METAL CHIP	47K	5%	1/16W

Ref. No.	Part No.	Description			Remark
R441	1-216-841-11	METAL CHIP	47K	5%	1/16W
R442	1-216-813-11	METAL CHIP	220	5%	1/16W
R443	1-216-815-11	METAL CHIP	330	5%	1/16W
R446	1-216-833-11	METAL CHIP	10K	5%	1/16W
R447	1-216-833-11	METAL CHIP	10K	5%	1/16W
R448	1-216-675-11	METAL CHIP	10K	0.5%	1/10W
R449	1-216-838-11	METAL CHIP	27K	5%	1/16W
R450	1-216-839-11	METAL CHIP	33K	5%	1/16W
R452	1-216-841-11	METAL CHIP	47K	5%	1/16W
R460	1-216-811-11	METAL CHIP	150	5%	1/16W
R461	1-218-287-11	METAL GLAZE	200	5%	1/16W
R470	1-216-821-11	METAL CHIP	1K	5%	1/16W
R471	1-216-832-11	METAL CHIP	8.2K	5%	1/16W
R472	1-216-832-11	METAL CHIP	8.2K	5%	1/16W
R502	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R503	1-216-833-11	METAL CHIP	10K	5%	1/16W
R506	1-216-837-11	METAL CHIP	22K	5%	1/16W
R507	1-216-831-11	METAL CHIP	6.8K	5%	1/16W
R508	1-216-831-11	METAL CHIP	6.8K	5%	1/16W
R509	1-216-833-11	METAL CHIP	10K	5%	1/16W
R510	1-216-797-11	METAL CHIP	10	5%	1/16W
R511	1-216-845-11	METAL CHIP	100K	5%	1/16W
R512	1-216-833-11	METAL CHIP	10K	5%	1/16W
R513	1-216-851-11	METAL CHIP	330K	5%	1/16W
R516	1-216-835-11	METAL CHIP	15K	5%	1/16W
R517	1-216-845-11	METAL CHIP	100K	5%	1/16W
R519	1-216-845-11	METAL CHIP	100K	5%	1/16W
R520	1-216-849-11	METAL CHIP	220K	5%	1/16W
R521	1-216-837-11	METAL CHIP	22K	5%	1/16W
R522	1-218-296-11	METAL GLAZE	75K	5%	1/16W
R523	1-216-828-11	METAL CHIP	3.9K	5%	1/16W
R524	1-216-854-11	METAL CHIP	560K	5%	1/16W
R525	1-216-833-11	METAL CHIP	10K	5%	1/16W
R526	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R527	1-216-683-11	METAL CHIP	22K	0.5%	1/10W
R528	1-216-848-11	METAL CHIP	180K	5%	1/16W
R529	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R530	1-216-826-11	METAL CHIP	2.7K	5%	1/16W
R532	1-216-683-11	METAL CHIP	22K	0.5%	1/10W
R533	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R535	1-216-863-11	METAL GLAZE	3.3M	5%	1/16W
R536	1-218-296-11	METAL GLAZE	75K	5%	1/16W
R537	1-216-833-11	METAL CHIP	10K	5%	1/16W
R539	1-216-857-11	METAL CHIP	1M	5%	1/16W
R543	1-216-838-11	METAL CHIP	27K	5%	1/16W
R544	1-216-821-11	METAL CHIP	1K	5%	1/16W
R545	1-216-842-11	METAL CHIP	56K	5%	1/16W
R546	1-216-821-11	METAL CHIP	1K	5%	1/16W
R547	1-216-833-11	METAL CHIP	10K	5%	1/16W
R548	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R549	1-216-857-11	METAL CHIP	1M	5%	1/16W
R550	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R551	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R552	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R553	1-216-839-11	METAL CHIP	33K	5%	1/16W
R554	1-216-849-11	METAL CHIP	220K	5%	1/16W
R555	1-216-851-11	METAL CHIP	330K	5%	1/16W
R556	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R559	1-216-843-11	METAL CHIP	68K	5%	1/16W
R560	1-216-845-11	METAL CHIP	100K	5%	1/16W
R561	1-216-820-11	METAL CHIP	820	5%	1/16W
R568	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R570	1-216-857-11	METAL CHIP	1M	5%	1/16W
R574	1-216-821-11	METAL CHIP	1K	5%	1/16W
R580	1-216-833-11	METAL CHIP	10K	5%	1/16W
R590	1-216-857-11	METAL CHIP	1M	5%	1/16W
R601	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R602	1-218-293-11	METAL GLAZE	24K	5%	1/16W
R603	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R604	1-216-833-11	METAL CHIP	10K	5%	1/16W
R606	1-216-841-11	METAL CHIP	47K	5%	1/16W
R607	1-216-841-11	METAL CHIP	47K	5%	1/16W
R608	1-216-845-11	METAL CHIP	100K	5%	1/16W
R609	1-216-833-11	METAL CHIP	10K	5%	1/16W
R610	1-216-817-11	METAL CHIP	470	5%	1/16W
R612	1-216-821-11	METAL CHIP	1K	5%	1/16W
R801	1-216-833-11	METAL CHIP	10K	5%	1/16W
R802	1-216-837-11	METAL CHIP	22K	5%	1/16W
R803	1-216-837-11	METAL CHIP	22K	5%	1/16W
R804	1-216-837-11	METAL CHIP	22K	5%	1/16W
R805	1-216-841-11	METAL CHIP	47K	5%	1/16W
R806	1-216-845-11	METAL CHIP	100K	5%	1/16W
R807	1-216-851-11	METAL CHIP	330K	5%	1/16W
R808	1-216-809-11	METAL CHIP	100	5%	1/16W
R809	1-216-651-11	METAL CHIP	1K	0.5%	1/10W
R810	1-216-833-11	METAL CHIP	10K	5%	1/16W
R812	1-216-854-11	METAL CHIP	560K	5%	1/16W
R813	1-216-861-11	METAL CHIP	2.2M	5%	1/16W
R814	1-216-833-11	METAL CHIP	10K	5%	1/16W
R815	1-216-845-11	METAL CHIP	100K	5%	1/16W
R816	1-216-833-11	METAL CHIP	10K	5%	1/16W
R817	1-216-817-11	METAL CHIP	470	5%	1/16W
R818	1-216-821-11	METAL CHIP	1K	5%	1/16W
R820	1-216-815-11	METAL CHIP	330	5%	1/16W
R850	1-216-861-11	METAL CHIP	2.2M	5%	1/16W
R851	1-216-854-11	METAL CHIP	560K	5%	1/16W
R852	1-216-821-11	METAL CHIP	1K	5%	1/16W

MAIN

Ref. No.	Part No.	Description	Remark
		< VARIABLE RESISTOR >	
RV301	1-230-485-11	RES, VAR, CARBON 10K/10K (VOLUME)	
RV401	1-241-394-11	RES, ADJ, METAL GLAZE 4.7K (CHARGE DETECT VOLTAGE)	
RV402	1-241-394-11	RES, ADJ, METAL GLAZE 4.7K (3.5V)	
RV431	1-241-394-11	RES, ADJ, METAL GLAZE 4.7K (3.8V)	
RV501	1-241-396-11	RES, ADJ, METAL GLAZE 22K (TRACKING GAIN)	
RV502	1-241-396-11	RES, ADJ, METAL GLAZE 22K (TRACKING BALANCE)	
RV503	1-241-397-11	RES, ADJ, METAL GLAZE 47K (FOUCS BIAS)	
RV504	1-241-392-11	RES, ADJ, METAL GLAZE 1K (VOC)	
RV505	1-241-396-11	RES, ADJ, METAL GLAZE 22K (FOCUS GAIN)	
		< SWITCH >	
S301	1-570-724-11	SWITCH, SLIDE (BASS BOOST)	
S401	1-572-126-11	SWITCH, PUSH (1 KEY) (BP-2EX ON)	
S809	1-570-724-11	SWITCH, SLIDE (RESUME)	
S901	1-572-126-11	SWITCH, PUSH (1 KEY) (OPEN)	
S902	1-570-953-11	SWITCH, PUSH (1 KEY) (DOOR)	
		< CRYSTAL >	
X301	1-577-576-11	VIBRATOR, CRYSTAL (33.9MHz)	
X801	1-579-267-11	VIBRATOR, CERAMIC (3.58MHz)	
		MISCELLANEOUS	
22	* 1-637-594-11	PC BOARD, KEY SWITCH FLEXIBLE	
LCD	1-809-269-11	DISPLAY PANEL, LIQUID CRYSTAL	
PL701	1-518-674-11	LAMP, PILOT	
PL702	1-518-674-11	LAMP, PILOT	
S903	1-570-771-11	SWITCH	

Ref. No.	Part No.	Description	Remark
		ACCESSORY & PACKING MATERIAL	
	⚠ 1-465-609-11	ADAPTOR, AC (AC-96N) (US)	
	⚠ 1-465-665-11	ADAPTOR, AC (AC-96N (AU)) (AUS)	
	⚠ 1-465-666-11	ADAPTOR, AC (AC-96N (AE)) (AEP)	
	⚠ 1-465-667-11	ADAPTOR, AC (AC-96N (CA)) (Canadian)	
	⚠ 1-465-668-11	ADAPTOR, AC (AC-96N (UK)) (UK)	
	⚠ 1-465-669-11	ADAPTOR, AC (AC-96N) (E)	
	⚠ 1-569-007-11	ADAPTOR, CONVERSION (E)	
	1-505-125-11	HEADPHONE (WITH REMOTE CONTROL) (Canadian, E, AUS)	
	1-505-125-21	HEADPHONE (WITH REMOTE CONTROL) (US, AEP, UK)	
	1-528-297-11	BATTERY PACK (BP-2EX)	
	1-555-658-21	CORD, CONNECTION	
	3-752-809-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, PORTUGUESE) (Canadian, AEP, E)	
	3-752-809-21	MANUAL, INSTRUCTION (US)	
	3-752-809-42	MANUAL, INSTRUCTION (GERMAN, DUTCH, SWEDISH, ITALIAN) (AEP)	
	* 4-942-752-01	INDIVIDUAL CARTON (Canadian)	
	* 4-942-754-01	INDIVIDUAL CARTON (US, E)	
	* 4-942-755-01	INDIVIDUAL CARTON (AEP, AUS, UK)	
	* 4-942-751-01	CUSHION (LOWER) (US, Canadian, E)	
	* 4-942-756-01	CUSHION (LOWER) (AEP, AUS, UK)	
	4-943-635-01	CASE, CARRYING	

HARDWARE LIST

#1	7-627-450-48	SCREW, PRECISION +K1.7X2.5 TYPE1

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

9-956-138-12
Including 9-956-138-83
9-956-138-91

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D-303

SONY

SERVICE MANUAL

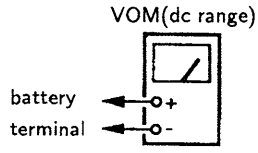
US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model

SUPPLEMENT-1

File this supplement with the service manual.

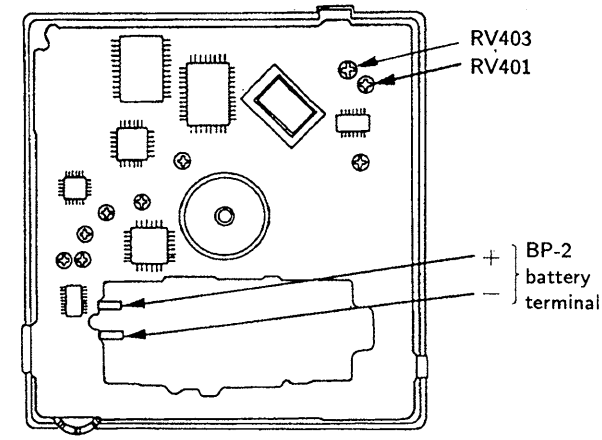
Subject : Circuit Change

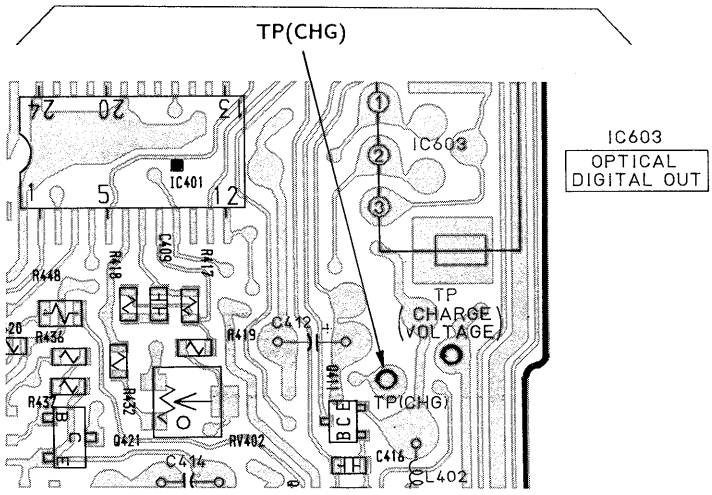
Charge Voltage Adjustment



1. Connect a VOM to the main board (— SIDE A —) test point TP(CHG) : IC401 ⑫ pin.
2. Connect a VOM to the both side of 24 ohms resister.
3. Apply DC 9V with regurated dc power supply from external power jack CNJ401.
4. Connect the load resistor 24 ohms (2 watts) BP-2 terminal.
5. Adjust RV403 on the main board so that the reading of the VOM becomes low level from high level at TP (CHG).
   Confirm that the indication of LCD is in CHG.
6. Adjust RV401 on the main board so that the reading of VOM accross 24 ohms resistor is specified 5 volts ± 0.1 volts.
7. Remove 24 ohms resistor. Them, Comfirm that the indication of CHG become extinct from LCD.

Adjustment Location : main board — SIDE A —





REVISED

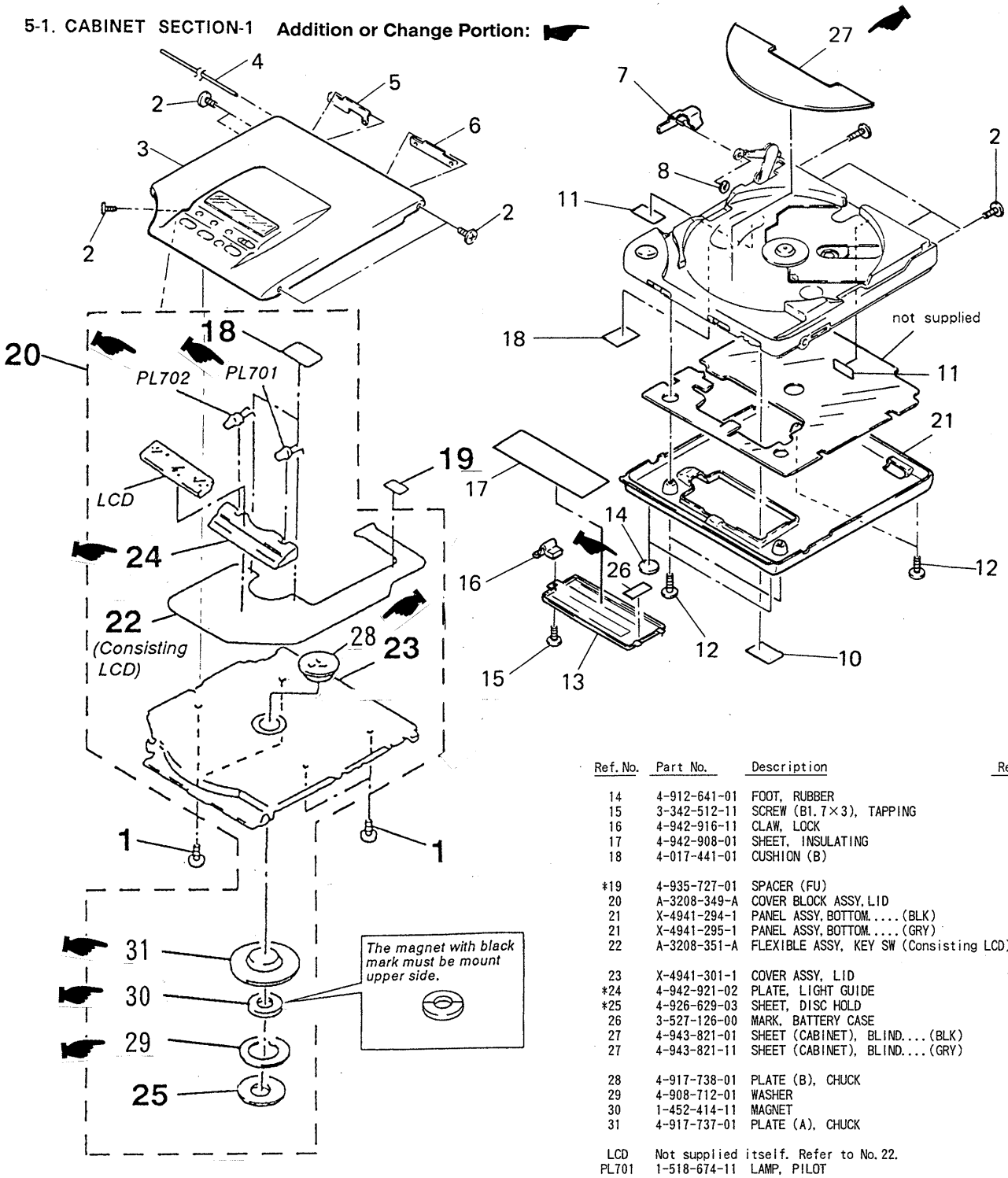
SECTION 5
EXPLODED VIEWS

NOTE:
- -XX, -X mean standardized parts, so they may have some differences from the original one.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Color indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) .... (RED)
  ↑ Parts color ↑ Cabinet's color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

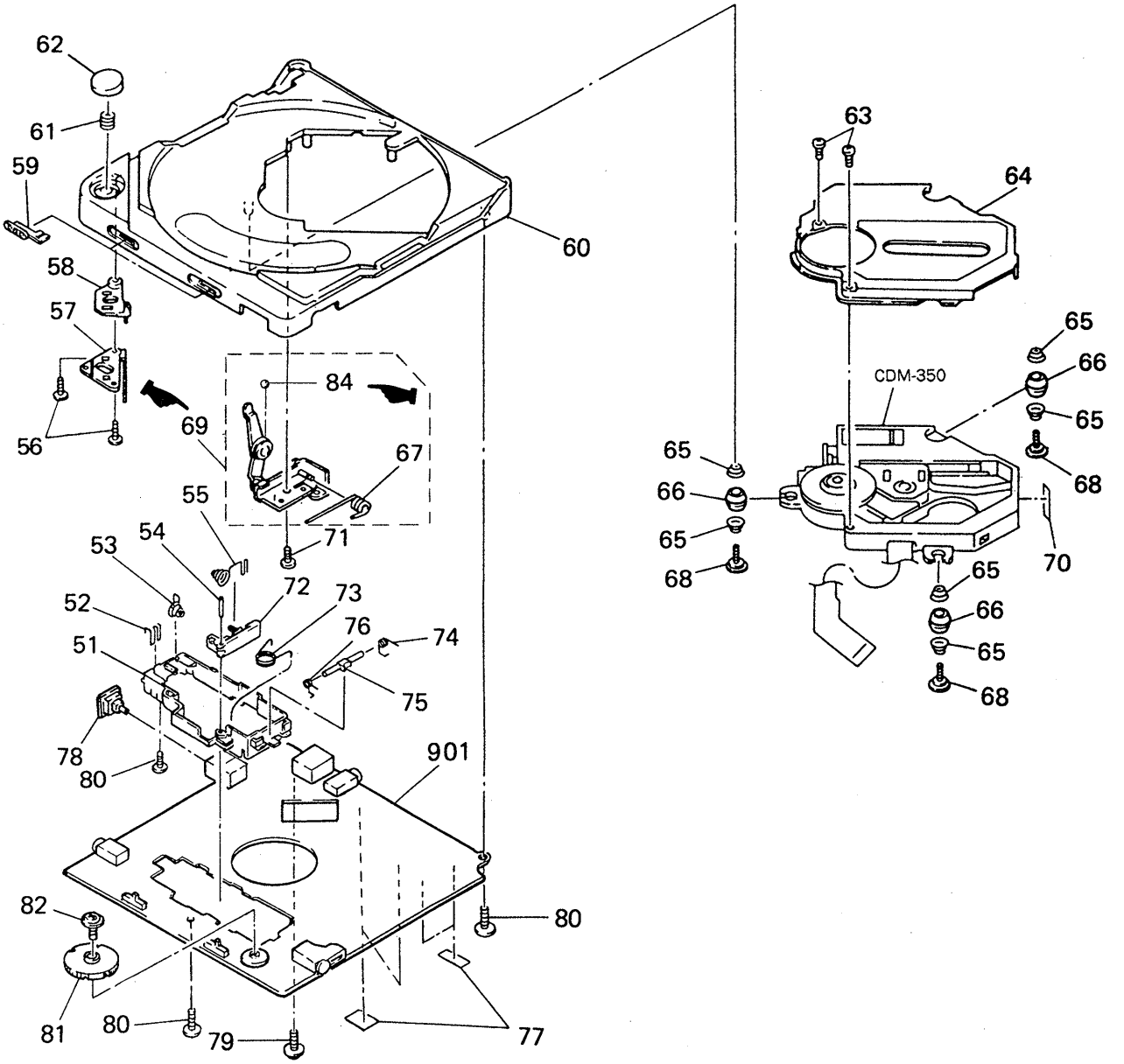
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifé.

5-1. CABINET SECTION-1 Addition or Change Portion:



Ref. No.	Part No.	Description	Remark
14	4-912-641-01	FOOT, RUBBER	
15	3-342-512-11	SCREW (B1.7×3), TAPPING	
16	4-942-916-11	CLAW, LOCK	
17	4-942-908-01	SHEET, INSULATING	
18	4-017-441-01	CUSHION (B)	
*19	4-935-727-01	SPACER (FU)	
20	A-3208-349-A	COVER BLOCK ASSY, LID	
21	X-4941-294-1	PANEL ASSY, BOTTOM.... (BLK)	
21	X-4941-295-1	PANEL ASSY, BOTTOM.... (GRY)	
22	A-3208-351-A	FLEXIBLE ASSY, KEY SW (Consisting LCD)	
23	X-4941-301-1	COVER ASSY, LID	
*24	4-942-921-02	PLATE, LIGHT GUIDE	
*25	4-926-629-03	SHEET, DISC HOLD	
26	3-527-126-00	MARK, BATTERY CASE	
27	4-943-821-01	SHEET (CABINET), BLIND.... (BLK)	
27	4-943-821-11	SHEET (CABINET), BLIND.... (GRY)	
28	4-917-738-01	PLATE (B), CHUCK	
29	4-908-712-01	WASHER	
30	1-452-414-11	MAGNET	
31	4-917-737-01	PLATE (A), CHUCK	
LCD	Not supplied itself. Refer to No. 22.		
PL701	1-518-674-11	LAMP, PILOT	
PL702	1-518-674-11	LAMP, PILOT	

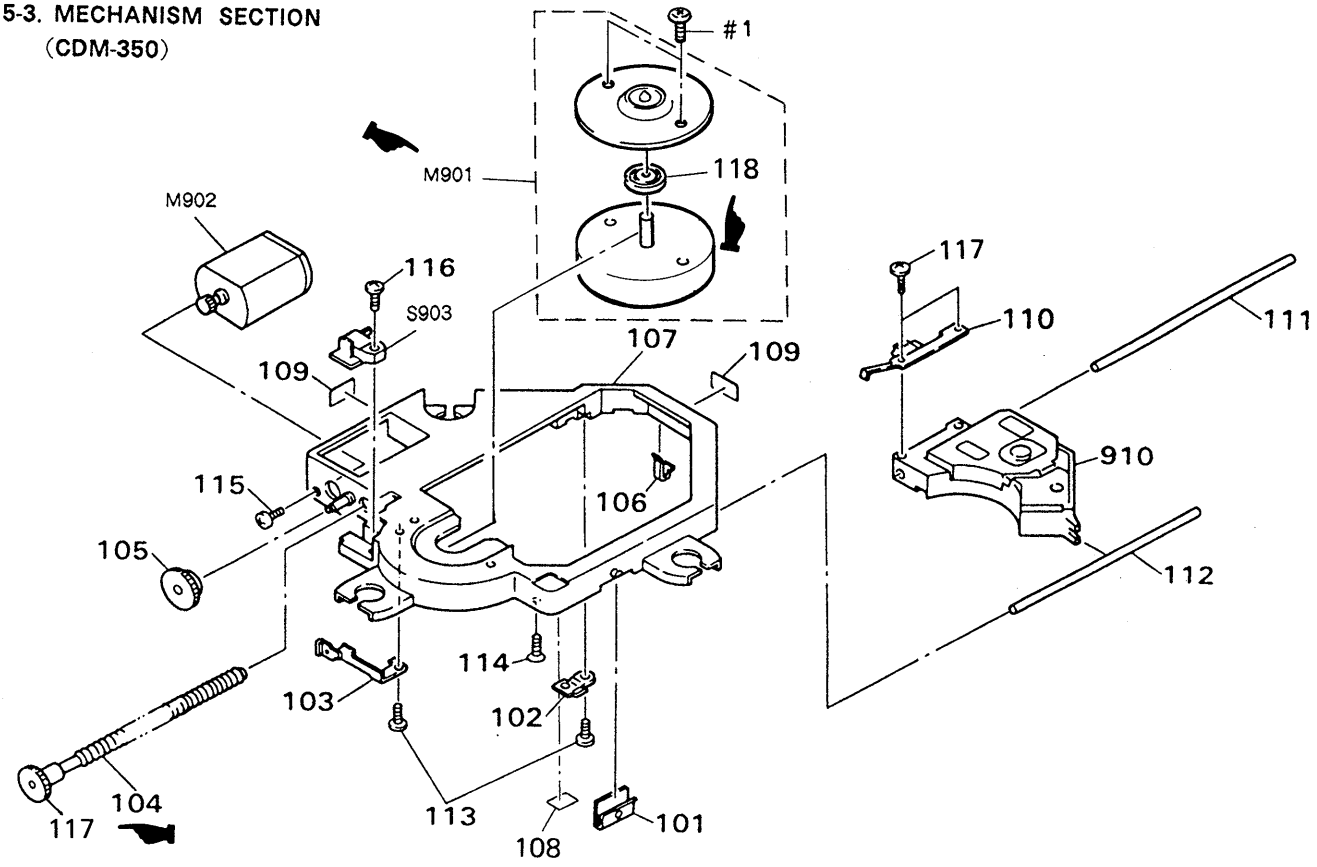
5-2. CABINET SECTION-2



Ref. No.	Part No.	Description	Remark
51	4-942-917-01	CASE, BATTERY	
52	4-942-910-01	SPRING (+), BATTERY COIL	
53	4-942-904-01	SPRING (-), BATTERY COIL	
54	4-942-903-01	SHAFT	
55	4-942-900-01	SPRING (+/-), BATTERY COIL	
56	3-895-823-41	SCREW (B1.4X4), TAPPING	
57	4-942-883-01	RETAINER, LOCK LEVER	
58	4-942-914-01	LEVER, LOCK	
59	4-942-901-01	KNOB (DBB)･･･(BLACK)	
59	4-942-901-11	KNOB (DBB)･･･(GRAY)	
60	4-942-920-01	CABINET･･･(BLACK)	
60	4-942-920-11	CABINET･･･(GRAY)	
61	4-917-727-01	SPRING, COMPRESSION	
62	4-942-909-01	BUTTON (OPEN)･･･(BLACK)	
62	4-942-909-11	BUTTON (OPEN)･･･(GRAY)	
64	4-932-789-01	COVER, MD	

Ref. No.	Part No.	Description	Remark
65	4-932-792-01	SPRING, COMPRESSION	
66	4-932-791-01	INSULATOR	
67	4-932-734-01	SPRING	
68	4-932-780-03	SCREW, STEP	
★ 69	X-4941-302-1	ARM ASSY, SWITCHING	
70	3-831-441-XX	SPACER, KNOB	
71	4-908-792-51	SCREW (B2X5), TAPPING, P1	
72	4-942-915-01	TERMINAL BOARD, BATTERY	
73	4-942-907-01	SPRING, TORSION	
74	4-942-911-01	SPRING (A), BATTERY COIL	
75	4-942-906-01	SHAFT, SPRING	
76	4-942-899-01	SPRING (B), BATTERY COIL	
77	3-831-441-11	CUSHION (B)	
78	4-942-912-01	CAP	
79	3-335-797-21	SCREW (M1.4X3), TOOTHED LOCK	
81	4-942-913-01	KNOB (VOL)	
82	3-703-502-31	SCREW	
★ 84	7-671-111-11	STEEL, BOUL 1.5MM	
901	A-3270-937-A	MAIN BOARD, COMPLETE (EXCEPT UK)	
901	A-3275-094-A	MAIN BOARD, COMPLETE (UK)	

5-3. MECHANISM SECTION (CDM-350)



Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
101	4-932-779-01	RETAINER (A), FLEXIBLE	
102	4-932-776-01	RETAINER, SHAFT	
103	4-932-786-01	SPRING, LEAF	
105	4-932-778-01	GEAR (B)	
106	4-932-777-01	RETAINER (B), FLEXIBLE	
* 107	4-932-790-01	CHASSIS	
110	4-932-785-01	RACK (OUTSERT)	
111	4-932-784-01	SHAFT (A)	
112	4-932-775-11	SHAFT (B)	

Ref. No.	Part No.	Description	Remark
114	4-941-983-01	SCWER (B1.7X6), SPECIAL	
115	4-932-773-11	SCREW	
116	4-908-792-91	SCREW (B2X7), TAPPING, P1	
117	4-932-774-01	GEAR (C)	
118	4-941-987-01	WASHER, POLYETHYLENE	
⚠910	X-4921-260-1	PICKUP, OPTICAL (F-89)	
M901	A-3133-398-A	MOTOR ASSY, CLV	
M902	X-4921-256-1	MOTOR ASSY	
S903	1-570-771-11	SWITCH (LS)	

SECTION 4
DIAGRAM

• Semiconductor Lead Layouts

CXA1271Q

SC7S04F

XN4504

DTC114EU
DTC123YU

CXA1272Q-Z

XN4608
XN4609
1MD2
1MD3

FMA4

CXD2500AQ

2SB1120-G
2SB1308-QR

FMW1
FMW2
FMG8

MPC1716FU

DTZ8.2B
MA8075-L-TX

XN4112TW

M5278L05M

M724TW

NJM2100M

SB01-05CP

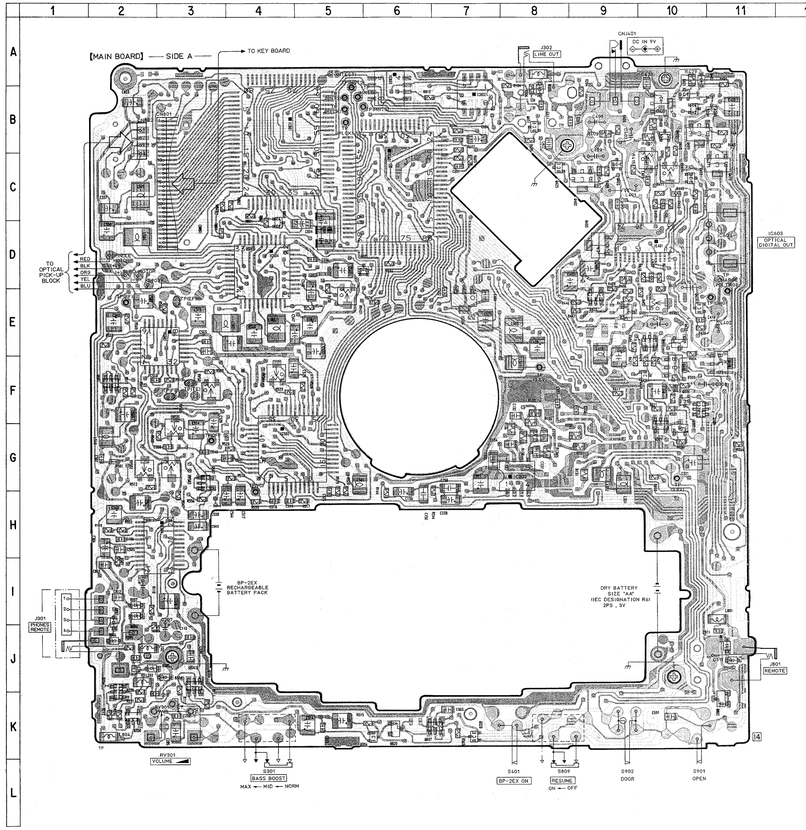
• Semiconductor Location

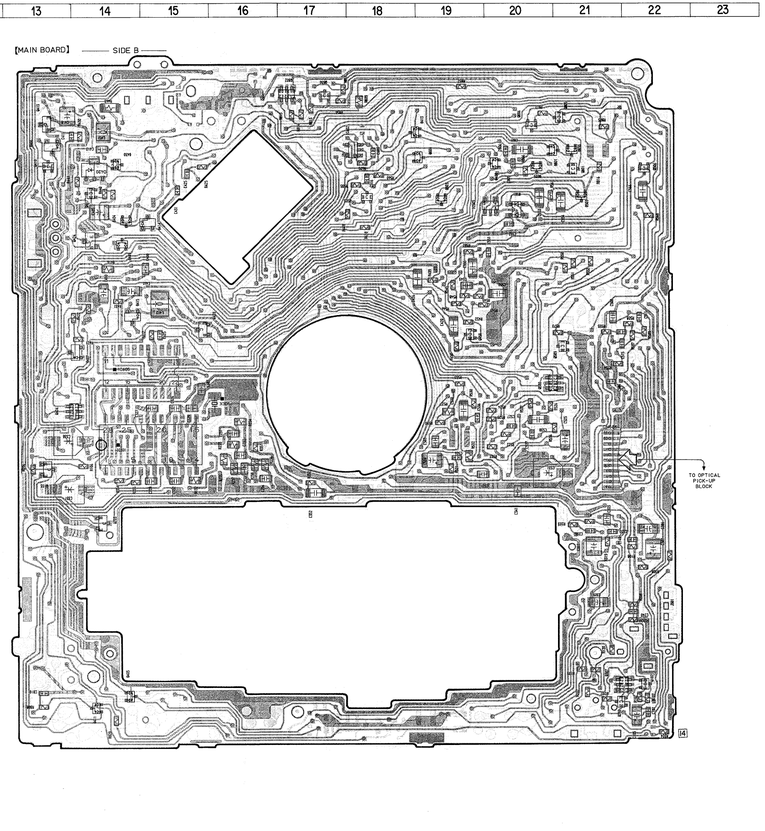
Ref. No.	Location	Ref. No.	Location
IC301	G-15	Q503	C-18
IC302	G-8	Q506	C-22
IC304	H-3	Q507	G-3
IC401	D-10	Q509	E-21
IC501	E-3	Q801	C-21
IC502	G-4	Q802	B-17
IC504	D-4	Q805	B-21
IC505	C-20	Q806	B-20
IC801	C-6	Q807	K-7
IC802	B-18	Q830	B-17
IC803	D-11		
IC804	E-7	D303	B-8
IC805	F-14	D304	J-3
IC801	B-4	D305	J-2
IC802	B-7	D306	I-2
		D307	I-2
IC803	B-6		
		D401	B-10
		D402	A-10
Q102	J-22	D403	D-9
Q103	G-13	D404	D-14
Q104	J-3	D405	K-14
Q202	K-21		
Q203	H-14	D406	B-13
		D407	E-14
Q204	K-2	D408	C-20
Q301	G-10	D409	D-14
Q304	K-6	D410	B-10
Q305	G-10		
Q306	F-10	D411	K-14
		D413	B-19
Q307	J-22	D414	D-15
Q308	F-10	D415	E-14
Q320	K-7	D416	B-11
Q350	K-2		
Q401	B-10	D417	B-10
		D420	C-14
Q402	C-9	D430	C-14
Q403	C-9	D501	C-20
Q404	F-14	D503	C-21
Q406	F-10		
Q407	E-10	D801	B-21
		D802	K-11
Q408	F-10	D803	C-19
Q409	B-10	D804	C-19
Q410	C-13	D805	D-6
Q411	E-10		
Q412	C-10	D806	J-2
		D807	I-2
Q413	B-13	D808	D-4
Q417	C-14	D809	C-20
Q418	F-11	D810	I-11
Q419	C-11		
Q420	E-15	D811	I-11
		D820	D-6
Q421	E-9	D830	B-21
Q422	E-10		
Q423	E-9		
Q424	D-14		
Q425	C-8		
Q450	E-19		
Q451	B-8		
Q501	F-2		
Q502	F-21		

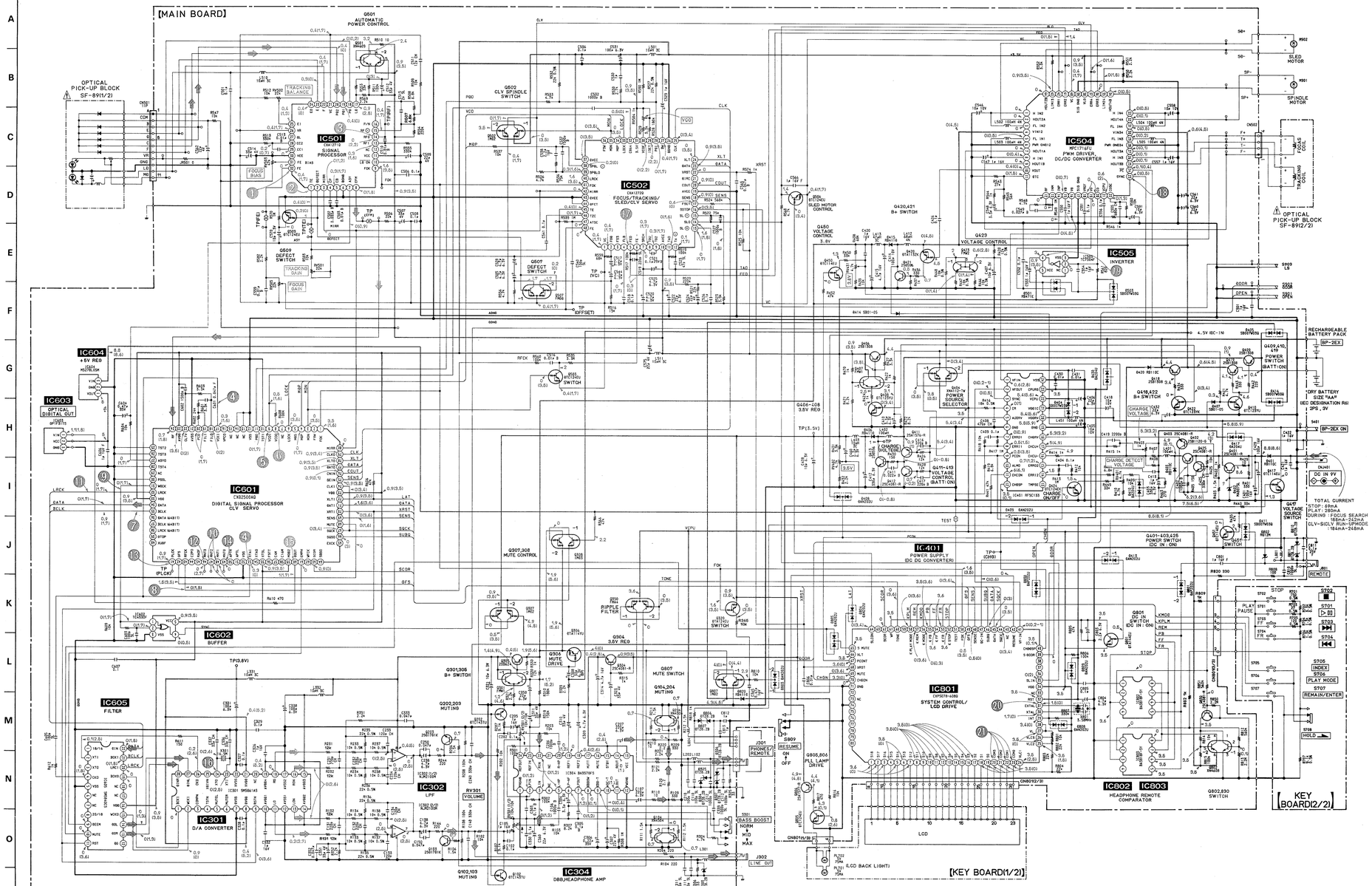
Note :

- ○—: parts extracted from the component side.
- ■ : parts mounted on the conductor side.
- ⊹ : Through hole.
- ▒ : Pattern on the side which is seen.
- ▒ : Pattern of the rear side.
- □ : Chip components extracted from the rear side.
- ▨ : Solder bridge.

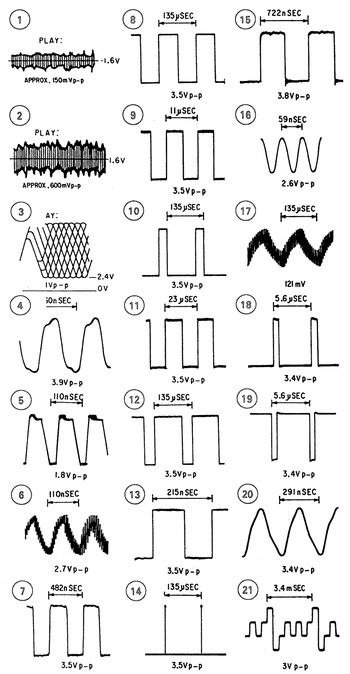
4-1. PRINTED WIRING BOARDS







• WAVEFORMS



Note :

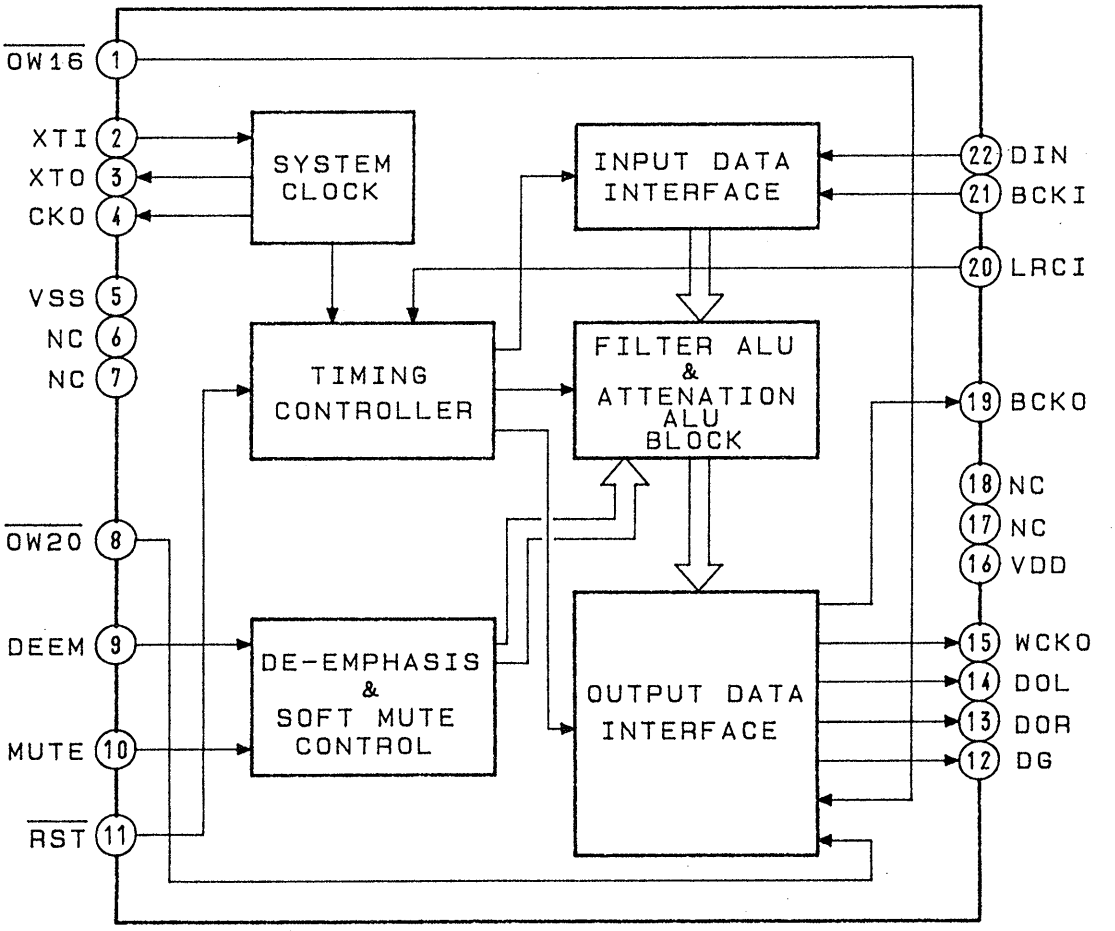
- All capacitors are in μ F unless otherwise noted. pF : μ μ F
  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- % : indicates tolerance.
- △ : internal component.

Note:	Note :
The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- ▬▬ : B + Line
- ▬ ▬ ▬ : B − Line
- ▭ : adjustment for repair.
- Power voltage is dc 9V and fed with regulated dc power supply from external power voltage jack.
- Voltage and waveforms are dc with respect to ground under the service mode.
- no mark : STOP
  ( ) : PLAY
- Voltages are taken with a VOM (Input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ▱▷ : CD

• **IC BLOCK DIAGRAMS**

Addition:IC605 SM5840CS



MAIN

SECTION 6
ELECTRICAL PARTS LIST

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms
  METAL : Metal-film resistor
  METAL OXIDE : Metal oxide-film resistor
  F : nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u : μ, for example:
  uA.... : μA...., uPA.... : μPA....
  uPB.... : μPB...., uPC.... : μPC....
  uPD.... : μPD....
- CAPACITORS
  uF : μF
- COILS
  uH : μH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description		Remark
	A-3270-937-A	MAIN BOARD, COMPLETE (EXCEPT UK)		
	A-3275-094-A	MAIN BOARD, COMPLETE (UK)		
		**********		
	3-703-502-31	SCREW		
	3-831-441-11	CUSHION (B)		
	4-942-899-01	SPRING (B), BATTERY COIL		
	4-942-900-01	SPRING (+-), BATTERY COIL		
	4-942-903-01	SHAFT		
	4-942-904-01	SPRING (-), BATTERY COIL		
	4-942-906-01	SHAFT, SPRING		
	4-942-907-01	SPRING, TORSION		
	4-942-910-01	SPRING (+), BATTERY COIL		
	4-942-911-01	SPRING (A), BATTERY COIL		
	4-942-913-01	KNOB (VOL)		
	4-942-915-01	TERMINAL BOARD, BATTERY		
	4-942-917-01	CASE, BATTERY		
		< CAPACITOR >		
C102	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C105	1-135-091-00	TANTALUM CHIP	1uF 20%	16V
C106	1-162-964-11	CERAMIC CHIP	0.001uF 10%	50V
C107	1-126-369-11	ELECT	220uF 20%	6.3V
C110	1-162-953-11	CERAMIC CHIP	100PF 5%	50V
C111	1-162-957-11	CERAMIC CHIP	220PF 5%	50V
C112	1-162-964-11	CERAMIC CHIP	0.001uF 10%	50V
C131	1-163-125-00	CERAMIC CHIP	220PF 5%	50V
C132	1-163-125-00	CERAMIC CHIP	220PF 5%	50V
C133	1-163-253-11	CERAMIC CHIP	120PF 5%	50V
C134	1-163-253-11	CERAMIC CHIP	120PF 5%	50V
C138	1-135-181-21	TANTALUM CHIP	4.7uF 20%	6.3V
C140	1-162-959-11	CERAMIC CHIP	330PF 5%	50V
C150	1-137-302-11	FILM CHIP	0.047uF 5%	16V
C202	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C205	1-135-091-00	TANTALUM CHIP	1uF 20%	16V
C206	1-162-964-11	CERAMIC CHIP	0.001uF 10%	50V
C207	1-126-369-11	ELECT	220uF 20%	6.3V
C210	1-162-953-11	CERAMIC CHIP	100PF 5%	50V
C211	1-162-957-11	CERAMIC CHIP	220PF 5%	50V
C212	1-162-964-11	CERAMIC CHIP	0.001uF 10%	50V
C231	1-163-125-00	CERAMIC CHIP	220PF 5%	50V
C232	1-163-125-00	CERAMIC CHIP	220PF 5%	50V
C233	1-163-253-11	CERAMIC CHIP	120PF 5%	50V
C234	1-163-253-11	CERAMIC CHIP	120PF 5%	50V
C238	1-135-181-21	TANTALUM CHIP	4.7uF 20%	6.3V
C240	1-162-959-11	CERAMIC CHIP	330PF 5%	50V
C250	1-137-302-11	FILM CHIP	0.047uF 5%	16V
C303	1-164-004-11	CERAMIC CHIP	0.1uF 10%	25V
C304	1-135-180-21	TANTALUM CHIP	3.3uF 20%	6.3V
C305	1-164-004-11	CERAMIC CHIP	0.1uF 10%	25V
C306	1-135-072-21	TANTALUM CHIP	0.22uF 10%	35V
C307	1-135-131-11	TANTAL. CHIP	22uF 20%	4V
C308	1-124-292-00	ELECT	33uF 20%	6.3V
C309	1-135-181-21	TANTALUM CHIP	4.7uF 20%	6.3V
C310	1-135-162-21	TANTALUM CHIP	33uF 20%	6.3V
C311	1-135-162-21	TANTALUM CHIP	33uF 20%	6.3V
C314	1-135-155-21	TANTALUM CHIP	4.7uF 10%	16V
C321	1-135-155-21	TANTALUM CHIP	4.7uF 10%	16V
C323	1-135-162-21	TANTALUM CHIP	33uF 20%	6.3V
C326	1-164-346-11	CERAMIC CHIP	1uF	16V
C327	1-164-004-11	CERAMIC CHIP	0.1uF 10%	25V
C328	1-164-004-11	CERAMIC CHIP	0.1uF 10%	25V
C329	1-164-004-11	CERAMIC CHIP	0.1uF 10%	25V
C330	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C331	1-126-206-11	ELECT CHIP	100uF 20%	6.3V
C332	1-164-346-11	CERAMIC CHIP	1uF	16V
C333	1-137-302-11	FILM CHIP	0.047uF 5%	16V
C336	1-162-921-11	CERAMIC CHIP	33PF 5%	50V
C337	1-162-921-11	CERAMIC CHIP	33PF 5%	50V
C338	1-126-206-11	ELECT CHIP	100uF 20%	6.3V

MAIN

Ref. No.	Part No.	Description			Remark
C339	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V
C350	1-135-144-11	TANTAL. CHIP	22uF	20%	6.3V
C351	1-135-162-21	TANTALUM CHIP	33uF	20%	6.3V
C352	1-137-302-11	FILM CHIP	0.047uF	5%	16V
C360	1-135-144-11	TANTAL. CHIP	22uF	20%	6.3V
C365	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C401	1-124-455-00	ELECT	100uF	20%	16V
C402	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C403	1-126-245-11	ELECT	330uF	20%	6.3V
C404	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C405	1-135-174-11	TANTAL. CHIP	10uF	20%	10V
C406	1-135-144-11	TANTAL. CHIP	22uF	20%	6.3V
C407	1-135-157-21	TANTALUM CHIP	10uF	20%	6.3V
C408	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C409	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C410	1-135-180-21	TANTALUM CHIP	3.3uF	20%	6.3V
C411	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C412	1-126-245-11	ELECT	330uF	20%	6.3V
C413	1-164-346-11	CERAMIC CHIP	1uF		16V
C414	1-124-584-00	ELECT	100uF	20%	10V
C415	1-135-155-21	TANTALUM CHIP	4.7uF	10%	16V
C416	1-162-957-11	CERAMIC CHIP	220PF	5%	50V
C417	1-162-957-11	CERAMIC CHIP	220PF	5%	50V
C418	1-135-174-11	TANTAL. CHIP	10uF	20%	10V
C419	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C420	1-162-638-11	CERAMIC CHIP	1uF		16V
C421	1-164-346-11	CERAMIC CHIP	1uF		16V
C422	1-164-346-11	CERAMIC CHIP	1uF		16V
C425	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C426	1-163-077-00	CERAMIC CHIP	0.1uF	10%	25V
C428	1-135-157-21	TANTALUM CHIP	10uF	20%	6.3V
C429	1-124-455-00	ELECT	100uF	20%	16V
C430	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C431	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C432	1-135-144-11	TANTAL. CHIP	22uF	20%	6.3V
C460	1-135-149-21	TANTALUM CHIP	2.2uF	20%	10V
C501	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C502	1-163-989-11	CERAMIC CHIP	0.033uF	10%	25V
C503	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C505	1-135-181-21	TANTALUM CHIP	4.7uF	20%	6.3V
C506	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C507	1-135-162-21	TANTALUM CHIP	33uF	20%	6.3V
C508	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C509	1-135-131-11	TANTAL. CHIP	22uF	20%	4V
C510	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C511	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C512	1-135-162-21	TANTALUM CHIP	33uF	20%	6.3V
C513	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C514	1-135-162-21	TANTALUM CHIP	33uF	20%	6.3V

Ref. No.	Part No.	Description			Remark
C515	1-162-932-11	CERAMIC CHIP	2PF	0.25PF	50V
C516	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C517	1-135-149-21	TANTALUM CHIP	2.2uF	20%	10V
C518	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C519	1-162-957-11	CERAMIC CHIP	220PF	5%	50V
C520	1-135-181-21	TANTALUM CHIP	4.7uF	20%	6.3V
C521	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C522	1-135-144-11	TANTAL. CHIP	22uF	20%	6.3V
C523	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
C524	1-135-131-11	TANTAL. CHIP	22uF	20%	4V
C525	1-135-181-21	TANTALUM CHIP	4.7uF	20%	6.3V
C526	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C528	1-135-181-21	TANTALUM CHIP	4.7uF	20%	6.3V
C529	1-135-091-00	TANTALUM CHIP	1uF	20%	16V
C530	1-162-638-11	CERAMIC CHIP	1uF		16V
C531	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C532	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C536	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C537	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C538	1-164-337-11	CERAMIC CHIP	2.2uF		16V
C540	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C541	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C544	1-135-149-21	TANTALUM CHIP	2.2uF	20%	10V
C546	1-135-174-11	TANTAL. CHIP	10uF	20%	10V
C547	1-135-091-00	TANTALUM CHIP	1uF	20%	16V
C548	1-135-180-21	TANTALUM CHIP	3.3uF	20%	6.3V
C549	1-163-986-00	CERAMIC CHIP	0.027uF	10%	25V
C550	1-162-638-11	CERAMIC CHIP	1uF		16V
C551	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C552	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C553	1-162-638-11	CERAMIC CHIP	1uF		16V
C554	1-162-638-11	CERAMIC CHIP	1uF		16V
C555	1-163-201-00	CERAMIC CHIP	680PF	5%	50V
C556	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C557	1-135-091-00	TANTALUM CHIP	1uF	20%	16V
C558	1-135-174-11	TANTAL. CHIP	10uF	20%	10V
C559	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C560	1-135-144-11	TANTAL. CHIP	22uF	20%	6.3V
C561	1-135-144-11	TANTAL. CHIP	22uF	20%	6.3V
C562	1-135-131-11	TANTAL. CHIP	22uF	20%	4V
C565	1-163-035-00	CERAMIC CHIP	0.047uF		50V
C566	1-162-638-11	CERAMIC CHIP	1uF		16V
C570	1-135-157-21	TANTALUM CHIP	10uF	20%	6.3V
C575	1-135-131-11	TANTAL. CHIP	22uF	20%	4V
C591	1-135-157-21	TANTALUM CHIP	10uF	20%	6.3V
C601	1-164-361-11	CERAMIC CHIP	0.047uF		16V

MAIN

Ref.No.	Part No.	Description			Remark
C602	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C603	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C604	1-135-145-11	TANTALUM CHIP	0.47uF	10%	35V
C605	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C606	1-164-346-11	CERAMIC CHIP	1uF		16V
C607	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C801	1-162-638-11	CERAMIC CHIP	1uF		16V
C803	1-135-149-21	TANTALUM CHIP	2.2uF	20%	10V
C804	1-135-181-21	TANTALUM CHIP	4.7uF	20%	6.3V
C805	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C806	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C810	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C811	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C812	1-164-346-11	CERAMIC CHIP	1uF		16V
C813	1-164-346-11	CERAMIC CHIP	1uF		16V
C901	1-164-346-11	CERAMIC CHIP	1uF		16V
		< CONNECTOR >			
CN501	1-566-527-11	CONNECTOR, FPC (ZIF) 11P			
CN502	1-563-552-11	SOCKET, CONNECTOR 4P			
CN801	1-569-142-21	HOUSING, CONNECTOR 30P			
CNJ401	1-580-428-11	JACK, DC (DC IN 9V)			
		< DIODE >			
D303	8-719-977-20	DIODE	DTZ8.2B		
D304	8-719-977-20	DIODE	DTZ8.2B		
D305	8-719-977-20	DIODE	DTZ8.2B		
D306	8-719-977-20	DIODE	DTZ8.2B		
D307	8-719-977-20	DIODE	DTZ8.2B		
D401	8-719-975-33	DIODE	RB110C		
D402	8-719-422-73	DIODE	MA8075-L-TX		
D403	8-719-975-33	DIODE	RB110C		
D404	8-719-988-78	DIODE	SB007W03Q		
D405	8-719-988-78	DIODE	SB007W03Q		
D406	8-719-975-40	DIODE	RB411D		
D407	8-719-938-72	DIODE	SB01-05CP		
D408	8-719-941-86	DIODE	DAN202U		
D409	8-719-941-86	DIODE	DAN202U		
D410	8-719-941-23	DIODE	DA204U		
D411	8-719-988-78	DIODE	SB007W03Q		
D413	8-719-941-86	DIODE	DAN202U		
D414	8-719-938-72	DIODE	SB01-05CP		
D415	8-719-975-40	DIODE	RB411D		
D416	8-719-988-78	DIODE	SB007W03Q		
D417	8-719-941-23	DIODE	DA204U		
D420	8-719-975-33	DIODE	RB110C		
D430	8-719-941-23	DIODE	DA204U		
D501	8-719-975-46	DIODE	RB471E		
D503	8-719-988-78	DIODE	SB007W03Q		

Ref.No.	Part No.	Description		Remark
D801	8-719-941-09	DIODE	DAP202U	
D802	8-719-157-54	DIODE	RD12M-B	
D803	8-719-941-86	DIODE	DAN202U	
D804	8-719-941-86	DIODE	DAN202U	
D805	8-719-941-86	DIODE	DAN202U	
D806	8-719-977-20	DIODE	DTZ8.2B	
D807	8-719-977-20	DIODE	DTZ8.2B	
D808	8-719-941-86	DIODE	DAN202U	
D809	8-719-941-86	DIODE	DAN202U	
D810	8-719-977-20	DIODE	DTZ8.2B	
D811	8-719-977-20	DIODE	DTZ8.2B	
D820	8-719-975-40	DIODE	RB411D	
D830	8-719-941-09	DIODE	DAP202U	
		< IC >		
IC301	8-759-521-51	IC	SM5861AS	
IC302	8-759-710-55	IC	NJM2100M	
IC304	8-759-510-56	IC	BA3570FS	
IC401	8-759-510-58	IC	RF5C133	
IC501	8-752-033-55	IC	CXA1271Q	
IC502	8-752-055-25	IC	CXA1272Q-Z	
IC504	8-759-031-89	IC	MPC1716FU	
IC505	8-759-031-84	IC	SC7S04F	
IC601	8-752-337-26	IC	CXD2500AQ	
IC602	8-759-234-13	IC	TC4S30F	
IC603	8-759-977-71	IC	GP-1F31T	
IC604	8-759-630-34	IC	M5278L05M	
IC605	8-759-501-31	IC	SM5840CS	
IC801	8-752-830-80	IC	CXP5078-607Q	
IC802	8-759-998-45	IC	BA3818F-SY	
IC803	8-759-998-45	IC	BA3818F-SY	
		< JACK >		
J301	1-568-758-11	JACK (PHONES/REMOTE)		
J302	1-563-281-41	JACK (LINE OUT)		
J801	1-563-280-31	JACK (REMOTE)		
		< JUMPER >		
JR501	1-216-864-11	METAL CHIP	0 5% 1/16W	
		< COIL >		
L102	1-543-813-21	FILTER, EMI		
L202	1-543-813-21	FILTER, EMI		
L301	1-543-813-21	FILTER, EMI		
L331	1-412-029-11	INDUCTOR CHIP	10uH	
L332	1-412-029-11	INDUCTOR CHIP	10uH	

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Ref. No.	Part No.	Description		Remark
L401	1-412-747-11	COIL, CHOKE	100uH	
L402	1-412-747-11	COIL, CHOKE	100uH	
L403	1-412-622-51	INDUCTOR	10uH	
L412	1-412-400-31	INDUCTOR	68uH	
L413	1-412-031-11	INDUCTOR CHIP	47uH	
L451	1-412-032-11	INDUCTOR CHIP	100uH	
L501	1-412-029-11	INDUCTOR CHIP	10uH	
L502	1-412-039-51	INDUCTOR CHIP	100uH	
L503	1-412-039-51	INDUCTOR CHIP	100uH	
L504	1-412-039-51	INDUCTOR CHIP	100uH	
L505	1-412-039-51	INDUCTOR CHIP	100uH	
L510	1-412-029-11	INDUCTOR CHIP	10uH	
L511	1-412-029-11	INDUCTOR CHIP	10uH	
L801	1-543-813-21	FILTER, EMI		
L804	1-543-813-21	FILTER, EMI		
		< PILOT LAMP >		
PL701	1-518-674-11	LAMP, PILOT		
PL702	1-518-674-11	LAMP, PILOT		
		< TRANSISTOR >		
Q102	8-729-922-94	TRANSISTOR	DTC143TU	
Q103	8-729-921-73	TRANSISTOR	2SD1781K-QR	
Q104	8-729-425-18	TRANSISTOR	XN4504	
Q202	8-729-922-94	TRANSISTOR	DTC143TU	
Q203	8-729-921-73	TRANSISTOR	2SD1781K-QR	
Q204	8-729-425-18	TRANSISTOR	XN4504	
Q301	8-729-903-10	TRANSISTOR	FMW1	
Q304	8-729-905-35	TRANSISTOR	2SC4081-R	
Q305	8-729-141-48	TRANSISTOR	2SB624-BV345	
Q306	8-729-923-XX	TRANSISTOR	DTA114YU-T106	
Q307	8-729-907-39	TRANSISTOR	IMD2	
Q308	8-729-907-28	TRANSISTOR	IMD3	
Q320	8-729-905-57	TRANSISTOR	DTA124EU	
Q350	8-729-902-90	TRANSISTOR	FMA4	
Q401	8-729-905-35	TRANSISTOR	2SC4081-R	
Q402	8-729-806-76	TRANSISTOR	2SB1120-G	
Q403	8-729-905-35	TRANSISTOR	2SC4081-R	
Q404	8-729-402-XX	TRANSISTOR	XN4112-TW	
Q406	8-729-923-45	TRANSISTOR	2SB1308-QR	
Q407	8-729-903-10	TRANSISTOR	FMW1	
Q408	8-729-924-65	TRANSISTOR	DTC123YU	
Q409	8-729-923-45	TRANSISTOR	2SB1308-QR	
Q410	8-729-924-65	TRANSISTOR	DTC123YU	
Q411	8-729-905-23	TRANSISTOR	2SA1576-R	
Q412	8-729-905-35	TRANSISTOR	2SC4081-R	
Q413	8-729-141-75	TRANSISTOR	2SD596DV345	
Q417	8-729-907-00	TRANSISTOR	DTC114EU	
Q418	8-729-923-45	TRANSISTOR	2SB1308-QR	

Ref. No.	Part No.	Description		Remark
Q419	8-729-923-45	TRANSISTOR	2SB1308-QR	
Q420	8-729-423-96	TRANSISTOR	UN2119	
Q421	8-729-141-75	TRANSISTOR	2SD596DV345	
Q422	8-729-923-04	TRANSISTOR	DTC123YK	
Q423	8-729-903-82	TRANSISTOR	FMW2	
Q424	8-729-901-00	TRANSISTOR	DTC124EK	
Q425	8-729-905-35	TRANSISTOR	2SC4081-R	
Q450	8-729-907-00	TRANSISTOR	DTC114EU	
Q451	8-729-907-00	TRANSISTOR	DTC114EU	
Q501	8-729-402-90	TRANSISTOR	XN4609	
Q502	8-729-907-39	TRANSISTOR	IMD2	
Q503	8-729-905-61	TRANSISTOR	DTC124EU	
Q506	8-729-905-61	TRANSISTOR	DTC124EU	
Q507	8-729-924-79	TRANSISTOR	FMG8	
Q509	8-729-905-61	TRANSISTOR	DTC124EU	
Q801	8-729-905-12	TRANSISTOR	DTA144EU	
Q802	8-729-402-16	TRANSISTOR	XN4608	
Q805	8-729-905-61	TRANSISTOR	DTC124EU	
Q806	8-729-922-10	TRANSISTOR	2SA1577-QR	
Q807	8-729-907-39	TRANSISTOR	IMD2	
Q830	8-729-905-35	TRANSISTOR	2SC4081-R	
		< RESISTOR >		
R102	1-216-833-11	METAL CHIP	10K 5% 1/16W	
R103	1-216-833-11	METAL CHIP	10K 5% 1/16W	
R104	1-216-813-11	METAL CHIP	220 5% 1/16W	
R106	1-216-823-11	METAL CHIP	1.5K 5% 1/16W	
R107	1-218-345-11	METAL GLAZE	9.1K 5% 1/16W	
R108	1-216-845-11	METAL CHIP	100K 5% 1/16W	
R109	1-216-815-11	METAL CHIP	330 5% 1/16W	
R110	1-216-797-11	METAL CHIP	10 5% 1/16W	
R111	1-216-823-11	METAL CHIP	1.5K 5% 1/16W	
R112	1-216-823-11	METAL CHIP	1.5K 5% 1/16W	
R120	1-216-789-11	METAL CHIP	2.2 5% 1/16W	
R121	1-216-825-11	METAL CHIP	2.2K 5% 1/16W	
R131	1-216-677-11	METAL CHIP	12K 0.5% 1/10W	
R132	1-216-677-11	METAL CHIP	12K 0.5% 1/10W	
R133	1-216-675-11	METAL CHIP	10K 0.5% 1/10W	
R134	1-216-675-11	METAL CHIP	10K 0.5% 1/10W	
R135	1-216-683-11	METAL CHIP	22K 0.5% 1/10W	
R136	1-216-683-11	METAL CHIP	22K 0.5% 1/10W	
R137	1-216-675-11	METAL CHIP	10K 0.5% 1/10W	
R138	1-216-675-11	METAL CHIP	10K 0.5% 1/10W	
R144	1-216-813-11	METAL CHIP	220 5% 1/16W	
R202	1-216-833-11	METAL CHIP	10K 5% 1/16W	
R203	1-216-833-11	METAL CHIP	10K 5% 1/16W	
R204	1-216-813-11	METAL CHIP	220 5% 1/16W	
R206	1-216-823-11	METAL CHIP	1.5K 5% 1/16W	

MAIN

Ref. No.	Part No.	Description			Remark
R207	1-218-345-11	METAL GLAZE	9.1K	5%	1/16W
R208	1-216-845-11	METAL CHIP	100K	5%	1/16W
R209	1-216-815-11	METAL CHIP	330	5%	1/16W
R210	1-216-797-11	METAL CHIP	10	5%	1/16W
R211	1-216-823-11	METAL CHIP	1.5K	5%	1/16W
R212	1-216-823-11	METAL CHIP	1.5K	5%	1/16W
R220	1-216-789-11	METAL CHIP	2.2	5%	1/16W
R221	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R231	1-216-677-11	METAL CHIP	12K	0.5%	1/10W
R232	1-216-677-11	METAL CHIP	12K	0.5%	1/10W
R233	1-216-675-11	METAL CHIP	10K	0.5%	1/10W
R234	1-216-675-11	METAL CHIP	10K	0.5%	1/10W
R235	1-216-683-11	METAL CHIP	22K	0.5%	1/10W
R236	1-216-683-11	METAL CHIP	22K	0.5%	1/10W
R237	1-216-675-11	METAL CHIP	10K	0.5%	1/10W
R238	1-216-675-11	METAL CHIP	10K	0.5%	1/10W
R244	1-216-813-11	METAL CHIP	220	5%	1/16W
R301	1-216-845-11	METAL CHIP	100K	5%	1/16W
R302	1-216-845-11	METAL CHIP	100K	5%	1/16W
R304	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R305	1-216-803-11	METAL CHIP	33	5%	1/16W
R306	1-216-803-11	METAL CHIP	33	5%	1/16W
R307	1-216-832-11	METAL CHIP	8.2K	5%	1/16W
R308	1-216-857-11	METAL CHIP	1M	5%	1/16W
R309	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R310	1-216-848-11	METAL CHIP	180K	5%	1/16W
R315	1-216-821-11	METAL CHIP	1K	5%	1/16W
R319	1-216-847-11	METAL CHIP	150K	5%	1/16W
R320	1-216-834-11	METAL CHIP	12K	5%	1/16W
R321	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R330	1-216-821-11	METAL CHIP	1K	5%	1/16W
R351	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R352	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R365	1-216-833-11	METAL CHIP	10K	5%	1/16W
R366	1-216-841-11	METAL CHIP	47K	5%	1/16W
R401	1-216-815-11	METAL CHIP	330	5%	1/16W
R402	1-216-049-00	METAL CHIP	1K	5%	1/10W
R403	1-216-823-11	METAL CHIP	1.5K	5%	1/16W
R405	1-216-811-11	METAL CHIP	150	5%	1/16W
R407	1-217-671-11	METAL CHIP	1	5%	1/10W
R408	1-217-671-11	METAL CHIP	1	5%	1/10W
R409	1-216-833-11	METAL CHIP	10K	5%	1/16W
R410	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R411	1-216-831-11	METAL CHIP	6.8K	5%	1/16W
R412	1-216-833-11	METAL CHIP	10K	5%	1/16W
R413	1-216-857-11	METAL CHIP	1M	5%	1/16W
R414	1-216-821-11	METAL CHIP	1K	5%	1/16W
R415	1-216-821-11	METAL CHIP	1K	5%	1/16W
R416	1-216-681-11	METAL CHIP	18K	0.5%	1/10W

Ref. No.	Part No.	Description			Remark
R417	1-216-857-11	METAL CHIP	1M	5%	1/16W
R418	1-216-833-11	METAL CHIP	10K	5%	1/16W
R419	1-216-831-11	METAL CHIP	6.8K	5%	1/16W
R420	1-216-834-11	METAL CHIP	12K	5%	1/16W
R421	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R422	1-216-821-11	METAL CHIP	1K	5%	1/16W
R424	1-216-821-11	METAL CHIP	1K	5%	1/16W
R425	1-216-833-11	METAL CHIP	10K	5%	1/16W
R426	1-216-834-11	METAL CHIP	12K	5%	1/16W
R427	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R428	1-216-834-11	METAL CHIP	12K	5%	1/16W
R429	1-216-001-00	METAL CHIP	10	5%	1/10W
R430	1-216-811-11	METAL CHIP	150	5%	1/16W
R431	1-216-828-11	METAL CHIP	3.9K	5%	1/16W
R432	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R434	1-216-815-11	METAL CHIP	330	5%	1/16W
R435	1-216-841-11	METAL CHIP	47K	5%	1/16W
R436	1-216-815-11	METAL CHIP	330	5%	1/16W
R437	1-216-821-11	METAL CHIP	1K	5%	1/16W
R438	1-216-843-11	METAL CHIP	68K	5%	1/16W
R439	1-216-833-11	METAL CHIP	10K	5%	1/16W
R440	1-216-839-11	METAL CHIP	33K	5%	1/16W
R441	1-216-841-11	METAL CHIP	47K	5%	1/16W
R442	1-216-813-11	METAL CHIP	220	5%	1/16W
R443	1-216-815-11	METAL CHIP	330	5%	1/16W
R446	1-216-833-11	METAL CHIP	10K	5%	1/16W
R447	1-216-833-11	METAL CHIP	10K	5%	1/16W
R448	1-216-675-11	METAL CHIP	10K	0.5%	1/10W
R449	1-216-839-11	METAL CHIP	33K	5%	1/16W
R450	1-216-839-11	METAL CHIP	33K	5%	1/16W
R452	1-216-841-11	METAL CHIP	47K	5%	1/16W
R463	1-216-184-00	METAL GLAZE	270	5%	1/8W
R470	1-216-821-11	METAL CHIP	1K	5%	1/16W
R471	1-216-832-11	METAL CHIP	8.2K	5%	1/16W
R472	1-216-832-11	METAL CHIP	8.2K	5%	1/16W
R502	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R503	1-216-833-11	METAL CHIP	10K	5%	1/16W
R506	1-216-837-11	METAL CHIP	22K	5%	1/16W
R507	1-216-831-11	METAL CHIP	6.8K	5%	1/16W
R508	1-216-831-11	METAL CHIP	6.8K	5%	1/16W
R509	1-216-833-11	METAL CHIP	10K	5%	1/16W
R510	1-216-797-11	METAL CHIP	10	5%	1/16W
R511	1-216-845-11	METAL CHIP	100K	5%	1/16W
R512	1-216-833-11	METAL CHIP	10K	5%	1/16W
R513	1-216-851-11	METAL CHIP	330K	5%	1/16W
R516	1-216-835-11	METAL CHIP	15K	5%	1/16W

MAIN

Ref. No.	Part No.	Description			Remark
R517	1-216-845-11	METAL CHIP	100K	5%	1/16W
R519	1-216-845-11	METAL CHIP	100K	5%	1/16W
R520	1-216-849-11	METAL CHIP	220K	5%	1/16W
R521	1-216-837-11	METAL CHIP	22K	5%	1/16W
R522	1-218-296-11	METAL GLAZE	75K	5%	1/16W
R523	1-216-828-11	METAL CHIP	3.9K	5%	1/16W
R524	1-216-854-11	METAL CHIP	560K	5%	1/16W
R525	1-216-833-11	METAL CHIP	10K	5%	1/16W
R526	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R527	1-216-683-11	METAL CHIP	22K	0.5%	1/10W
R528	1-216-848-11	METAL CHIP	180K	5%	1/16W
R529	1-218-705-11	METAL CHIP	3.6K	0.50%	1/16W
R530	1-216-826-11	METAL CHIP	2.7K	5%	1/16W
R532	1-216-683-11	METAL CHIP	22K	0.5%	1/10W
R533	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R535	1-216-863-11	METAL GLAZE	3.3M	5%	1/16W
R536	1-218-296-11	METAL GLAZE	75K	5%	1/16W
R537	1-216-833-11	METAL CHIP	10K	5%	1/16W
R539	1-216-857-11	METAL CHIP	1M	5%	1/16W
R543	1-216-838-11	METAL CHIP	27K	5%	1/16W
R544	1-216-821-11	METAL CHIP	1K	5%	1/16W
R545	1-216-842-11	METAL CHIP	56K	5%	1/16W
R546	1-216-821-11	METAL CHIP	1K	5%	1/16W
R547	1-216-833-11	METAL CHIP	10K	5%	1/16W
R548	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R549	1-216-857-11	METAL CHIP	1M	5%	1/16W
R550	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R551	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R552	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R553	1-216-839-11	METAL CHIP	33K	5%	1/16W
R554	1-216-849-11	METAL CHIP	220K	5%	1/16W
R555	1-216-851-11	METAL CHIP	330K	5%	1/16W
R556	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R559	1-216-843-11	METAL CHIP	68K	5%	1/16W
R560	1-216-845-11	METAL CHIP	100K	5%	1/16W
R561	1-216-820-11	METAL CHIP	820	5%	1/16W
R568	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R569	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R570	1-216-857-11	METAL CHIP	1M	5%	1/16W
R574	1-216-821-11	METAL CHIP	1K	5%	1/16W
R580	1-216-833-11	METAL CHIP	10K	5%	1/16W
R590	1-216-857-11	METAL CHIP	1M	5%	1/16W
R601	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R602	1-218-293-11	METAL GLAZE	24K	5%	1/16W
R603	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R604	1-216-833-11	METAL CHIP	10K	5%	1/16W
R606	1-216-841-11	METAL CHIP	47K	5%	1/16W
R608	1-216-845-11	METAL CHIP	100K	5%	1/16W
R609	1-216-833-11	METAL CHIP	10K	5%	1/16W
R610	1-216-817-11	METAL CHIP	470	5%	1/16W
R611	1-216-811-11	METAL CHIP	150	5%	1/16W
R612	1-216-821-11	METAL CHIP	1K	5%	1/16W
R801	1-216-833-11	METAL CHIP	10K	5%	1/16W
R802	1-216-837-11	METAL CHIP	22K	5%	1/16W
R803	1-216-837-11	METAL CHIP	22K	5%	1/16W
R804	1-216-837-11	METAL CHIP	22K	5%	1/16W
R805	1-216-841-11	METAL CHIP	47K	5%	1/16W
R806	1-216-845-11	METAL CHIP	100K	5%	1/16W
R807	1-216-851-11	METAL CHIP	330K	5%	1/16W
R808	1-216-809-11	METAL CHIP	100	5%	1/16W
R809	1-216-651-11	METAL CHIP	1K	0.5%	1/10W
R810	1-216-833-11	METAL CHIP	10K	5%	1/16W
R812	1-216-854-11	METAL CHIP	560K	5%	1/16W
R813	1-216-861-11	METAL CHIP	2.2M	5%	1/16W
R814	1-216-833-11	METAL CHIP	10K	5%	1/16W
R815	1-216-845-11	METAL CHIP	100K	5%	1/16W
R816	1-216-833-11	METAL CHIP	10K	5%	1/16W
R817	1-216-817-11	METAL CHIP	470	5%	1/16W
R818	1-216-821-11	METAL CHIP	1K	5%	1/16W
R820	1-216-815-11	METAL CHIP	330	5%	1/16W
R850	1-216-861-11	METAL CHIP	2.2M	5%	1/16W
R851	1-216-854-11	METAL CHIP	560K	5%	1/16W
R852	1-216-821-11	METAL CHIP	1K	5%	1/16W

< VARIABLE RESISTOR >

RV301	1-230-485-11	RES, VAR, CARBON 10K/10K (VOLUME)
RV401	1-241-394-11	RES, ADJ, METAL GLAZE 4.7K (CHARGE DETECT VOLTAGE)
RV402	1-241-394-11	RES, ADJ, METAL GLAZE 4.7K (3.5V ADJ)
RV403	1-241-392-11	RES, ADJ, METAL GLAZE 1K (CHARGE VOLTAGE)
RV431	1-241-394-11	RES, ADJ, METAL GLAZE 4.7K (3.8V ADJ)
RV501	1-241-396-11	RES, ADJ, METAL GLAZE 22K (TRACKING GAIN)
RV502	1-241-396-11	RES, ADJ, METAL GLAZE 22K (TRACKING BALANCE)
RV503	1-241-397-11	RES, ADJ, METAL GLAZE 47K (FOCUS BIAS)
RV504	1-241-392-11	RES, ADJ, METAL GLAZE 1K (VCO)
RV505	1-241-396-11	RES, ADJ, METAL GLAZE 22K (FOCUS GAIN)

< SWITCH >

S301	1-570-724-11	SWITCH, SLIDE (BASS BOOST)
S401	1-572-126-11	SWITCH, PUSH (1 KEY) (BP-2EX ON)
S809	1-570-724-11	SWITCH, SLIDE (RESUME)
S901	1-572-126-11	SWITCH, PUSH (1 KEY) (OPEN)
S902	1-570-953-11	SWITCH, PUSH (1 KEY) (DOOR)

< VIBRATOR >

X301	1-577-576-11	VIBRATOR, CRYSTAL (16.9MHz)
X801	1-579-267-11	VIBRATOR, CERAMIC (3.58MHz)

Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS	
		**********	
22	1-637-594-11	PC BOARD, KEY SWITCH FLEXIBLE	
LCD	1-809-269-11	DISPLAY PANEL, LIQUID CRYSTAL	
M901	A-3133-398-A	MOTOR ASSY, CLV	
M902	X-4921-256-1	MOTOR ASSY	
S903	1-570-771-11	SWITCH (LS)	

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ACCESSORIES & PACKING MATERIALS
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⚠	1-465-609-11	ADAPTOR, AC (AC-96N) (US)	
⚠	1-465-665-11	ADAPTOR, AC (AC-96N(AU)) (Australian)	
⚠	1-465-666-11	ADAPTOR, AC (AC-96N(AE)) (AEP)	
⚠	1-465-667-11	ADAPTOR, AC (AC-96N(CA)) (Canadian)	
⚠	1-465-668-11	ADAPTOR, AC (AC-96N(UK)) (UK)	
⚠	1-465-669-11	ADAPTOR, AC (AC-96N) (E)	
	1-505-125-11	HEADPHONE (WITH REMOTE CONTROL) (E, Australian, Canadian)	
	1-505-125-21	HEADPHONE (WITH REMOTE CONTROL) (US, AEP, UK)	
	1-528-297-11	BATTERY PACK (BP-2EX) (EXCEPT AEP)	
	1-528-297-21	BATTERY PACK (BP-2EX) (AEP)	
	1-555-658-21	CORD, CONNECTION	
	1-590-038-11	CORD, CONNECTION	
	3-752-809-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, PORTUGUESE) (EXCEPT US)	
	3-752-809-21	MANUAL, INSTRUCTION (US)	
	3-752-809-41	MANUAL, INSTRUCTION (GERMAN, DUTCH, SWEDISH, ITALIAN) (AEP)	
*	4-942-752-01	INDIVIDUAL CARTON (Canadian)	
*	4-942-754-01	INDIVIDUAL CARTON (E, US)	
*	4-942-755-01	INDIVIDUAL CARTON (AEP, UK, Australian)	
*	4-942-751-01	CUSHION (LOWER) (US, Australian, Canadian)	
*	4-942-756-01	CUSHION (LOWER) (AEP, UK, Australian)	
	4-943-635-01	CASE, CARRYING	

****

HARDWARE LIST

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#1	7-627-450-48	SCREW, PRECISION +K1.7X2.5 TYPE1

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

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General Audio Group

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